AUTHOR INDEX

Abbott, T.S. 1.548
Acton, W.H. 1.405
Adams, A. 2.1373
Aghazadeh, F. 1.210
Ahlstrom, B.M. 2.956
Albin, T.J. 1.323
Alluisi, E.A. 2.1234*
Amberden, B. 1.541
Amell, J.R. 1.394, 1.405
Andersen, G.J. 1.263
Anderson, C. 2.1077
Anderson, L.A. 2.1174
Anderson, M.P. 1.41
Anderson, N.S. 2.727
Andrew, D.H. 1.238, 2.1251
Antonelli, D.C. 1.706
Aretz, A.J. 1.414
Arnaut, L.Y. 1.437
Asfour, S.S. 2.**, 2.1326
Austin, J.T. 1.**
Aykin, N. 1.161
Aykin, T. 1.161
Ayres, T.J. 2.966

Babu, A.J.G. 2.1221
Bachert, R.F. 2.1234*
Backs, R.W. 1.715
Baker, J.D. 1.**
Bakke, C. 1.419
Balasubramaniam, J. 2.1355
Ballas, J.A. 1.144
Baltzley, D.R. 1.634
Barbato, D.J. 2.1067
Barbera, C. 1.476
Barfield, W. 1.519
Barker, J.D. 1.61*
Barnett, B. 2.842
Barry, T.P. 2.1096
Batra, S. 2.901
Battiste, V. 2.1365
Baum, D.R. 1.353
Bauman, M.B. 2.1161
Beaudet, D.B. 2.**
Beckschi, P.F. 2.1261
Beith, B.H. 1.67
Bender, W. 2.1311
Berbaum, K.S. 1.497
Berg, B.G. 2.1184
Beringer, D.B. 1.543
Berson, B.L. 2.1077, 2.1403
Besco, R.O. 2.**
Beyer, R.R. 1.479
Bezar, N.A. 1.116
Bhagat, D. 1.330, 1.335
Biers, D.W. 1.63, 1.77
Biersner, R.J. 1.**
Billings, C.E. 1.428
Billingsley, P. 2.871
Bingham, D. 2.1241
Bishu, R.R. 1.600, 2.894, 2.901
Bittner, A.C., Jr. 1.**, 1.358, 1.368
Bobick, T.G. 1.457, 2.921
Boehm-Davis, D. 2.983
Boff, K.R. 1.258
Bonneau, J.R. 2.956
Bonney, R.A. 1.307
Bortolussi, M.R. 2.834
Boucek, G.P. Jr. 2.1077
Boulette, M.D. 1.116
Brelsford, J.W., Jr. 1.615
Brems, D.J. 1.125
Brezovic, C.P. 2.1202
Briggs, R.P. 1.562
Brookings, J.B. 2.1062
Brown, C.E. 2.1345
Brown, O., Jr. 1.168
Brown, S. 2.889
Brunskill, C.T. 1.325
Bunecke, J.L. 2.1301
Burge, P.S. 2.736
Burri, G.J., Jr. 2.1121
Butani, S.J. 2.920*

Calhoun, C.S. 2.1266
Calhoun, G.L. 1.243, 2.1398
Campanella, W. 2.884
Campbell, W.J. 1.92
Carayon, P. 2.874
Carlson, L.C. 1.**, 2.1144
Carroll, J.M. 1.281
Carter, F.L. 1.386
Carter, R.J. 1.605
Casali, J.G. 1.492
Casey, B.J. 2.857
Casey, E.J. 1.112
Casey, S.M. 1.214, 2.732
Casper, P.A. 1.72
Chappell, S.L. 1.428
Charipper, B.A. 2.1151
Charness, N. 1.21*
Charney, L. 1.432
Chen, F. 1.210
Chignell, M.H. 2.1216
Childs, J.M. 2.1370
Chrisman, S.E. 1.543
Christ, R.E. 1.**
Christensen, J.M. 1.1
Christenaz, D. 1.228
Chrysler, S.T. 2.911
Chuang, M.C. 2.1281
Chubb, G.P. 1.363
Churchill-Teran, D. 2.1161
Clark, M.C. 1.694*
Clay, D.J. 2.862
Clemens, E.A. 1.139
Cochran, D.J. 1.600, 2.894, 2.901
Cohen, H.H. 1.610
Cohill, A.M. 1.46, 2.871
Colle, H.A. 1.**, 1.689
Comstock, E.M. 1.139
Congleton, J.J. 2.1241
Connelly, E.M. 1.620*, 1.629
Connelly, J.G., Jr. 1.648
Conroy, J. III 1.625
Conway, E.J. 1.457
Cook, A.M. 1.502
Corlett, E.N. 1.307, 1.315, 1.318
Cornell, P. 2.1350
Couchman, D.A. 2.1378
Coury, B.G. 1.107, 1.116
Crespo, R.A. 2.1311
Cress, J.D. 2.1286
Cruise, R.J. 2.1416
Czaja, S.J. 1.694, 2.811, 2.1121

Dainoff, M.J. 2.879
Dannels, S.A. 1.402
DaPolito, F. 1.**
Davis, I. 2.770, 2.779
Davis, T. 2.842
Debons, A. 1.121
DeJoy, D.M. 2.756
DeMelli, J. 1.**
Dennison, T.W. 2.**
Desaulniers, D.R. 1.56, 1.615
Detweiler, M. 1.684
Dick, A.O. 1.358, 1.368
Dick, K.N. 1.144
Donaghey, C.E. 1.181
Donovan, R. 1.258
Dorris, A.L. 1.**, 2.1116
Dray, S.M. 2.1234*
Drum, B.H. 1.410
Drury, C.G. 2.**, 2.811, 2.1121
Dubrovsky, V.J. 1.701
Duchon, J.C. 2.**
Dumas, J.S. 1.585
Dutton, R. 1.325
Duyos, J.R. 2.1326
Dyre, B.P. 1.263

Eboch, M.M. 1.674
Edinger, K.M. 1.497
Eggemeier, F.T. 1.405
Eike, D.R. 2.973
Elkerton, J. 2.1123
Ellingstad, V.S. 1.581, 2.1315
Elm, W.C. 1.36
Endsley, M.R. 2.1388
Engel, P. 1.410
Epps, B.W. 1.442
Etherton, J. 1.191
Evans, R.L. 2.1170
Ewry, M.E. 1.**

Faivre, I.A. 1.130
Farber, E.I. 1.**
Fernandez, J.E. 2.1331
Fisher, D.L. 1.510, 1.524, 2.1049
Fisk, A.D. 1.652, 1.674, 2.857, 2.1044
Flach, J.M. 2.1054
Fleet, G.J. 1.275
Fleger, S.A. 1.345
Fleming, W.D. 1.363
Foley, J.P. 1.**, 1.519
Fontenelle, G.A. 2.1226
Fotta, M.E. 1.**
Fowlkes, J.E. 1.488
Fracker, L. 1.679
Fracker, M.L. 2.1211
Francik, E.P. 1.722
Frank, L.H. 1.492
Freivalds, A. 2.906
Freligh, C.A. 2.1256
Frey, P.R. 1.536
Fuld, R.B. 1.156

NOTE: The designation 1 or 2 preceding each page number refers the reader to Volume 1 or Volume 2 of these Proceedings

**Abstract only*

***Manuscript not available for publication*

Fullenkamp, P. 2.779
Funkle, S. 1.**
Furness, T.A. III 2.1398

Gallagher, J.M. 1.36
Gallagher, S. 1.462, 2.921
Gallaway, G.R. 1.**, 2.1028, 2.1030, 2.1234*
Gardner-Bonneau, D.J. 2.956, 2.1243
Garg, A. 1.**
Gatchell, S.M. 2.1234*
Gawron, V.J. 2.766, 2.811
Gehlen, J.R. 2.1320*
Geiwitz, J. 1.218
Genaidy, A.M. 2.**, 2.1326
Gilead, E. 2.1194
Gill, R.T. 1.476
Gillan, D.J. 2.805
Gilliland, K. 1.389, 1.402
Gilmore, W. 2.871
Gilson, R. 1.238
Giurelli, B.L. 1.**
Glenn, F.A. III 1.**, 1.358
Glickman, A.S. 1.82,1.92
Godfrey, S.S. 1.484
Goldberg, J.H. 1.373, 2.1014
Goldsberry, B.S. 2.**
Gomberg, B.F. 1.541
Gondella, D. 2.1241
Good, M. 1.576
Gopher, D. 2.820
Greenstein, J.S. 1.437
Groshek, M.R. 1.144
Grunzke, P.M. 2.1054
Guerette, P.J. 1.87
Gutekunst, K.R. 2.1416

Haas, P.M. 1.605
Haber, P. 1.694*
Hahn, H.A. 2.830, 2.946
Hamel, C.J. 1.643
Hammer, A. 2.1144
Hancock, G.A. 1.715
Hanes, L.F. 2.1151
Happ, A.J. 2.1091
Harootyan, R. 1.694*
Harpster, J.L. 1.718
Harris, D.H. 1.214, 2.**, 2.218
Harris, R.M. 2.1179
Harris-Base, J. 2.736
Hart, S.G. 1.72, 1.248, 2.834
Hartley, C.S. 2.1087, 2.1306
Hartsock, D.C. 2.1067
Harwood, K. 1.648
Haslegrave, C.M. 1.318
Hassoun, J.A. 1.363
Heasly, C.C. 2.973
Hedge, A. 2.736
Helander, M.G. 1.191, 2.1121
Hendrick, H.W. 2.**, 2.1234*
Henning, R.A. 2.1336
Hettinger, L.J. 1.497
Hickox, J.C. 1.414
Higgins, T.J. 2.1216
Hill, S.G. 1.368, 2.**
Hodgson, J. 2.931
Hoffberg, L.I. 2.1101
Hoffman, L.R. 1.585
Hoffman, M.S. 1.285, 2.1234*
Hoffman, S.C. 1.285
Hoffman, W.J. 2.1421
Holt, R. 2.983
Hornsby, M.E. 1.432
Horst, D.P. 1.479
Horylev, M.J. 2.1246
Hottman, S.B. 2.1166
Hovey, C.K. 2.1403
Hudspith, S. 2.988
Hungerford, J.C. 1.452
Hunt, R.M. 1.536
Hyman, F. 2.842

Iavecchia, H.P. 2.1179
Imada, A.S. 1.166*, 1.173, 2.1019
Imrhan, S.N. 2.993
Irizarry, V.C. 1.386

Janisch, D. 1.**
Janson, W.P. 1.243
Jenkins, M-L. 1.689
Jensen, C.R. 2.1174
Jensen, D.G. 1.529
Jesse, D.M. 2.746
Johnson, B.P. 1.452
Johnson, R.F. 2.825
Johnson, S.L. 2.1141
Johnson, W.V. 2.1286
Johnson, W.W. 1.248
Jones, M.B. 1.634
Jones, P.M. 1.31
Jones, S.A. 1.233
Jones, S.F. 1.196
Jung, E.S. 1.310, 1.373

Kamon, E. 2.931
Kane, R.M. 1.722
Kantowitz, B.H. 2.834
Kaplan, B. 2.951
Kaplan,J.D. 1.621
Kaplan, R.P. 2.741
Karat, J. 1.566
Karis, D. 2.1206
Karwan, M.H. 1.191, 1.325
Karwowski, W. 1.186, 1.467
Keating, C.W., Jr. 1.**
Kellogg, R.S. 1.**
Kelly, G.R. 1.**
Kennedy, P.J. 2.1311
Kennedy, R.S. 1.488, 1.497
Kesler, S.R. 1.414
Khalil, T.M. 2.**
Kimchi, R. 2.820
Kincaid, J.P. 1.238
Kirchner-Dean, E. 2.1411
Kline, D.W. 1.558
Knapp, B.G. 1.386
Knee, H.E. 1.605, 2.815
Knirk, F.G. 1.228
Koch, C.G. 2.911, 2.1133
Koll, M. 2.983
Konz, S. 2.1113
Kosnik, W. 1.558
Kraemer, R. 1.**
Kramer, A.F. 2.978
Kreifeldt, J.G. 2.**, 2.1281
Krenek, R.F. 2.1116
Kress, G. 2.741
Kroemer, K.H.E. 2.1005
Kruk, R.V. 1.**
Krysiak, D.A. 1.130
Kuntz, L.A. 1.634
Kuperman, G. 1.533
Kvålseth, T.O. 1.147, 2.760
Kysor, K.P. 1.51, 2.884

Lalomia, M.J. 2.1091
LaLumiere-Grubbs, L. 2.1077
Lane, N.E. 1.638
LaRue, C. 1.610
Lauber, J.K. 1.15
Laughery, K.R., Sr. 1.196, 1.200, 2.**
Lavender, S.A. 1.471
Laviana, J.E. 2.1101
Leber, L.L. 1.419
Lee, C.H. 2.1341
Lee, K. 1.210
Lehto, M.R. 1.**
Lester, J.T. 1.81*
Leveton, L.B. 1.410
Levine, S.H. 1.**
Lewis, R. 2.800, 2.898
Lilienthal, M.G. 1.488
Limanowski, J.J. 2.1147
Lintern, G. 1.648
Linton, P.M. 1.**
Liu, Y. 1.156, 2.47
Lovgren, J.E. 1.22
Lozada-Larsen, S.R. 1.200
Lupker, S.J. 1.275
Lyman, B.J. 1.558
Lyman, J. 2.1360
Lysaght, R.J. 1.368

Macek, A.J. 2.1138
Madden, J. 1.233
Majehrzak, A. 2.1156
Mallery, C.J. 2.838
Malmstrom, F.V. 2.1202
Malone, T.B. 1.345
Mansfeld, M. 2.1023
Marcarian, D. 2.**
Mark, L. 2.879
Marley, R.J. 2.1331
Marras, W.S. 1.447, 1.471
Marshak, W. 1.419
Marshak, W.P. 1.533, 2.1198
Martin, R.L. 2.1072
Marton, T. 1.176
Marwitz, D. 1.378
Masline, P.W. 1.63, 1.77, 1.394
Mathis, A. 2.1144
Matin, E. 1.258
Matthews, M.L. 2.1009, 2.1271
Mayer, D.L. 1.196
McCarthy, G.E. 1.479
McCarthy, R.L. 1.479
McCauley, M.E. 1.502
McClain, J.E. 2.1067
McCloskey, K. 2.774
McCrobie, D.E. 2.**
McDonald, J.E. 1.41
McMillen, L.D. 1.969
McNeese, M.D. 2.1345
Merriman, S.C. 1.350
Mertins, K. 2.1271

NOTE: The designation 1 or 2 preceding each page number refers the reader to Volume 1 or Volume 2 of these Proceedings
**Abstract only*
***Manuscript not available for publication*

Merva, M.A. 2.961
Metalis, S. 2.1077
Metz, S. 2.1000
Micalizzi, J. 2.1014
Micocci, A.J. 2.796
Miezio, K. 2.874
Mihaly, T. 2.931
Mikula, M.B. 1.353
Miller, D.A. 1.302, 2.1128
Miller, D.L. 1.87
Miller, G.D. 2.906
Miller, G.S. 1.595
Miller, J.M. 2.**
Miller, R.E. II 2.1189
Mitchell, C.M. 1.31
Mitchell, P.P. 1.**
Mohageg, M.F. 2.**
Mohs, B. 2.1251
Montague, D.J. 2.746
Montazer, M.A. 1.590
Montero, R.C. 1.92
Morey, P.E. 2.1105
Morgan, B.B., Jr. 1.82, 1.87
Moritz, R. 2.879
Morrison, D.L. 1.340
Mount, F.E. 2.803
Mountford, D.J. 1.**
Mumaw, R.J. 1.**
Myers, G.L. 2.969, 2.1147

Nasiruddin, M. 2.1000
Nataupsky, M. 1.548
Nolan, M.D. 1.497
Noy, Y.I. 1.205, 2.751
Nugent, W.A. 1.696

Oakley, R. 2.1311
O'Brien, T.G. 2.**
O'Donohue, T.K. 1.410
Offodile, O.F. 2.1141
O'Hanlon, J.F. 2.**
O'Hara, J.M. 2.791
Oliver, C.G. 2.1291
O'Neal, M.R. 2.1189
Oransky, N.A. 2.1044
O'Rourke, S.A. 2.1014
Osarczuk, J.C. 2.1198
Osborne, D.W. 1.581
Ou, D. 1.340

Palmiter, S.L. 2.1123
Pamperin, K.L. 1.514
Parng, K.A. 2.1315
Parsaei, M. 1.186
Parsons, H.M. 1.61*
Pawlowski, J. 2.1144
Peacock, B. 2.**
Penn, D. 1.25
Percival, L.C. 1.710
Perez, W.A. 1.394, 2.1202
Perlman, G. 2.1229
Permenter, K.E. 1.345
Peters, J.I. 2.1040*
Peters, R. 2.983
Phelps, R.H. 2.937, 2.941
Plamondon, B.D. 1.368
Plank, T. 1.186
Polzella, D.J. 1.394, 1.398
Porter, D.B. 1.289, 1.293
Post, D.L. 2.1276
Post, M.E. 2.1166
Precht, T. 1.476
Price, D.L. 2.830
Price, H.E. 1.61*
Pulaski, J.L. 1.176
Pullen, K. 1.541
Pulling, N.H. 2.762
Purswell, J.L. 1.**, 2.1116
Purvis, B. 2.779

Quam, D.L. 1.243

Rahimi, M. 1.186
Raij, D. 2.820
Ramirez, T.L. 1.**
Ramsey, E.G. 1.394, 1.533
Ramsey, J.D. 2.1341
Ranney, T.A. 2.762, 2.766
Rappold, V.A. 1.386
Rasmussen, J. 1.**
Rayle, M. 1.**
Reardon, K.A. 2.1291
Redding, R.E. 2.1261
Reid, G.B. 1.398
Reilly, C.H. 1.447
Reising, J.M. 2.1067, 2.1096
Rhyne, J. 1.30*
Rhyne, J.R. 1.576
Riccio, G.E. 2.1286
Rice, J.R. 2.1087, 2.1306
Rich, L. 2.732
Richards, R.E. 2.936*, 2.937, 2.941
Richardson, R.M.M. 2.911, 2.1000
Riley, C.A. 1.270
Riley, D.D. 2.1383
Riley, M.W. 1.600, 2.894, 2.901
Roberts, D. 1.340
Robertson, A.S. 1.736
Robertson, M.M. 2.1019, 2.1156
Robinson, D.E. 2.1184
Robinson, J.N. 1.479
Roesch, J.R. 2.786
Rogers, W.A. 2.857
Rohles, F.H., Jr. 2.1101
Rokicki, S.M. 2.784
Roop, E.A. 2.973
Root, R. 1.**
Rosenberg, S.M. 2.1035
Rosenblum, R. 2.842
Ross, E.H. 1.224
Ross, L.V. 2.1179
Rossi, E.W. 1.462
Roth, E.M. 1.36
Runnings, D.W. 1.**
Ryan, J.P. 2.1236
Ryder, J.M. 2.1261

Salas, E. 1.82, 1.97
Salvador, A. 2.1421
Sandford, J. 1.519
Saunby, C.S. 1.**
Sawhney, R. 2.**
Schaefer, R.W. 1.353
Schiro, S.G. 1.325
Schlegel, B. 1.389
Schlegel, R.E. 1.389, 1.402
Schmidt, J.K. 1.51, 2.884
Schneider, W. 1.684
Schnitzius, K.P. 1.497
Schryver, J.C. 2.815
Schvaneveldt, R.W. 1.41
Schwalm, R.C. 1.**, 2.1082, 2.1144
Schwartz, D. 2.1320*
Scialfa, C.T. 1.558
Scott, B.C. 1.428
Shafer, J.B. 2.1408
Shaffer, S.C. 2.1179
Shahani, C. 1.553
Shannon, R.H. 2.852
Shaw, B.E. 2.926
Shealy, J.E. 1.298, 1.302, 2.1128
Shelton, B.R. 1.275
Shengzhao, L. 2.**
Sheppard, D.J. 1.233
Sheridan, T.B. 1.432
Shetzer, L.I. 1.**
Shew, R. 1.**
Shinar, D. 2.1194
Shively, R.J. 1.72
Shneiderman, B. 1.560*, 2.727
Simonelli, N.M. 1.**
Singer, M.J. 1.**
Skedsvold, P.R. 2.1044
Skelly, J. 2.779
Skriver, C.P. 1.424
Sloan, G.D. 1.**
Small, A.M. 1.**
Smith, B.A. 2.1370
Smith, D.B.D. 1.694*
Smith, J.L. 2.1321
Smith, L.L. 2.1042*
Smith, M.J. 2.874
Smith, M-L. 1.**
Smith, P.J. 1.280*
Smith, R.L. 2.805
Smith, S.L. 1.135
Snell, J. 2.1393
Snyder, H.L. 2.**
Solowzay, E. 1.**
Sorkin, R.D. 1.**
Stanny, R.R. 2.**
Stodolsky, N. 1.363
Stokes, A. 2.842
Stringer, P.G. 2.1383
Strowman, S.R. 2.825
Stubbs, N.B. 2.1331
Stubler, W.F. 2.1151
Sulek, M. 1.419
Summers, L.G. 2.1077
Swezey, R.W. 1.97

Tan, K.C. 1.524
Taylor, B.H. 1.382
Tayyari, F. 2.1321
Telson, R.U. 2.911
Terranova, M. 1.605
Thacker, P. 2.1221
Theisen, C.J., Jr. 2.1421
Thomas, M.E. 1.**, 2.1082
Thompson, J.S. 2.**
Thrush, L.L. 2.969, 2.1147
Tobias, C.L. 2.866
Tracy, M. 1.315, 1.318
Travale, D.J. 2.811
Tsang, P.S. 1.253, 2.1057
Tullis, T.S. 2.1221

NOTE: The designation 1 or 2 preceding each page number refers the reader to Volume 1 or Volume 2 of these Proceedings
**Abstract only*
***Manuscript not available for publication*

Turnage, J.J. 1,638
Turner, N. 2.931

Unger, R.L. 1.457, 1.462, 2.921
Ungs, T.J. 1.505

Valencia, G. 2.1398
Van Cott, H.P. 2.1161
van Delft, J.H. 1.151
Venturino, M. 1.672*
Vercruyssen, M. 2.931
Vidulich, M.A. 1.253, 2.1057
Vogele, D. 2.879
Vyas, S.K. 1.590

Waikar, A. 1.210
Wallace, D.F. 2.727
Walrath, L.C. 1.715
Warren, R. 2.1291
Wascher, L. 2.**
Waters, R.M. 2.1425
Way, T.C. 2.1072
Webb, J. 1.679
Webb, J.M. 2.978
Weimer, J. 1.222
Weinstein, L.F. 1.662
Wenger, W.K. 2.997
Wentworth, R.N. 1.590
Wherry, R.J., Jr. 1.667
Whitaker, L.A. 1.595
White, R. 2.1144
White, R.J. 2.1082
Whitten, W.B. II 1.125
Wichansky, A.M. 1.266
Wick, D.T. 2.**
Wickens, C.D. 1.102, 1.156, 1.419, 1.514, 1.648, 1.679, 2.842, 2.847, 2.1211
Wiegand, K.L. 1.**
Wiener, E.L. 1.61*
Wierwille, W.W. 1.**, 1.368, 1.492
Wiklund, M.E. 1.585
Wilford, G.M. 2.1296
Williams, D.D. 1.335
Williams, E. 2.871
Williams, J. 2.871
Williams, R.D. 2.1082
Williges, B.H. 2.961
Wilson, D. 1.533
Wilson, D.L. 2.1345
Wilson, G. 2.770
Wilson, G.F. 2.779
Wilson, S. 2.736
Winne, P.S. 1.657
Wise, J.A. 1.121
Wixon, D. 1.571
Wogalter, M.S. 1.378, 1.615
Wolf, C.G. 1.560*, 1.576
Wong, C.K. 2.1360
Woods, D.D. 1.36
Woods, J.E., Jr. 2.1105
Workman, D. 1.510
Wygant, R.M. 1.181

Yastrop, G. 2.983
Yearout, R. 2.1113
Yolton, R.L. 2.770
Young, C. 2.1049

Zechmeister 2.1170
Zenyuh, J.P. 2.1067, 2.1096
Zhang, K. 1.102
Zimmer, S. 1.92
Zubritzky, M.C. 1.107

NOTE: The designation 1 or 2 preceding each page number refers the reader to Volume 1 or Volume 2 of these Proceedings
**Abstract only*
***Manuscript not available for publication*

KEY WORD SUBJECT INDEX

factor-analytic investigation of time-sharing performance and cognitive **abilities** A confirmatory 87 31 1062
A norm-independent technique for assessing physical **ability** of the severely disabled 87 31 0862
approaches to subjective workload assessment **Absolute** magnitude estimation and relative judgment 87 31 1057
Implementation of a shared human factors support program between **academia** and industry 87 31 0285
User-computer interface requirements for remote **access** data bases 87 31 0973
Accident proneness in the industrial setting 87 31 0196
Scenario analyses of finger injuries in industrial **accidents** 87 31 0916
Industrial **accidents:** does age matter 87 31 0553
Research to determine the frequency and cause of injury **accidents** in underground mining 87 31 0926
cases and challenges for the future of human factors **Achievement** of organizational effectiveness: success 87 31 1234*
Cognitive skill **acquisition:** a developmental approach 87 31 0857
A human information processing theory of skill **acquisition:** a training systems view 87 31 0643
altitude The effects of simulator delays on the **acquisition** of flight control skills: control of heading and 87 31 1286
High performance cognitive skill **acquisition:** perceptual/rule learning 87 31 0652
and bar weight distribution on scaling effectiveness and electromyographic **activity** The effects of seam height, scaling method, 87 31 0471
Physiological data used to measure pilot workload in **actual** flight and simulator conditions 87 31 0779
Further investigation of contrast sensitivity and visual **acuity** in pilot detection of aircraft 87 31 1189
Adaptive questionnaire applications 87 31 0382
Presidential **address:** Comments on products safety 87 31 0001
transportation system safety Keynote **address:** New technology, human performance, and 87 31 0015
Task, seat **adjustability,** and postural change 87 31 0879
Pull-tear strength capabilities in **adults** 87 31 0993
The application of human factors to the development of expert systems for **advanced** cockpits 87 31 1388
unusual attitude recovery **Advanced** head-up display (HUD) symbology: aiding 87 31 1067
Advanced human factors engineering tool technologies 87 31 0345
macroergonomics perspective **Advanced** manufacturing technology development: a 87 31 1156
support system design Providing on-line **advice** for a dynamic control task: a case study in intelligent 87 31 0036
Aerospace applications of image development language 87 31 0541
Simulator-induced syndrome: evidence for long-term simulator **aftereffects** 87 31 0505
distance **Age** differences in judgments of vehicle velocity and 87 31 0558
Industrial accidents: does **age** matter 87 31 0553
Repeated measures battery for the **aged** 87 31 0852
Aging and skilled performance 87 31 0021*
Aging and technological innovation 87 31 0694*
mental model of a complex dynamic system: the effect of display **aiding** and contextual system training A study of the 87 31 0102
Advanced head-up display (HUD) symbology: **aiding** unusual attitude recovery 87 31 1067
Multi-factor evaluation of tactical planning **aids** 87 31 0218
Instruction for military **air** intercept control 87 31 0662
Airborne message entry by voice recognition 87 31 0424
Pictorial format displays for two-seat fighter-attack **aircraft** 87 31 1072
investigation of contrast sensitivity and visual acuity in pilot detection of **aircraft** Further 87 31 1189
Cockpit automation concept development for the NUH-60 (STAR) **aircraft** 87 31 1383
The effect of experience on subjective ratings for **aircraft** and simulator workload during IFR flight 87 31 0838
Designing **airline** passenger safety cards 87 31 0051
Human factors considerations for enhancing performance in the Naval **airship** 87 31 0410
An integrated investigation into the relative effects of **alcohol** on various human behavioral processes 87 31 0830
An assessment of display formats for crew **alerting** and guidance 87 31 1077
human performance expert system Evaluation of **algorithms** for combining independent data sets in a 87 31 0811
Dynamic function **allocation** in fighter cockpits 87 31 0414
Human-machine function **allocation** in manufacturing and assembly operations 87 31 1141
Integrated operator-plant process modeling and decision support for **allocation** of function 87 31 0815
setting Team performance of a dynamic resource **allocation** task: comparison of shared versus isolated work 87 31 1345
boards The effects of magnification and **allowed** viewing time on the inspection of printed circuit 87 31 1014
All-terrain vehicles: a human factors and safety analysis 87 31 0760
Alphabet soup: case and order in index search 87 31 0130
constructing multiple-choice distractor items around a single target **alternative** The effect of 87 31 0378
Alternative approaches to analyzing SWAT data 87 31 0063
acquisition of flight control skills: control of heading and **altitude** The effects of simulator delays on the 87 31 1286
Learning hierarchical menu systems: a comparative investigation of **analogical** and pictorial formats 87 31 0978
Empirical user modeling: command usage **analyses** for deriving models of users 87 31 0041
workload **Analytic** techniques for the assessment of operator 87 31 0368
Alternative approaches to **analyzing** SWAT data 87 31 0063
Applying human factors in **anesthesia** monitoring 87 31 0988

NOTE: In the numerical codes that appear in the right margin, 87 refers to the year of publication, 31 indicates the 31st Annual Meeting of the Human Factors Society, and the four-digit number is the page number in the Proceedings *on which the paper begins.*

** Abstract only*

Dorsiflexion of the human **ankle** as it relates to ski boot design in downhill skiing 87 31 1128
Process control: safety issues and **answers** in Sweden and Norway 87 31 1243
reference to Prime Computer's SAMMIE program Fitting population **anthropometric** data to a proportional man model with 87 31 0325
Display formatting: an expert system **application** 87 31 1320*
Applying human factors in anesthesia monitoring 87 31 0988
Cognitive skill acquisition: a developmental **approach** 87 31 0857
system operator interface requirements An **approach** for specifying and managing submarine combat 87 31 1411
product liability cases Utilization of a reverse systems engineering **approach** for the assessment of defendants' positions in 87 31 0605
A taxonomic **approach** to understanding direct manipulation 87 31 0576
Toward a new **approach** to vision: applications to robots and humans 87 31 1281
Interface style and eclecticism: moving beyond categorical **approaches** 87 31 0571
Alternative **approaches** to analyzing SWAT data 87 31 0063
Macroergonomics: integrating organizational behavior and human factors **approaches** to organizational design and management 87 31 0166*
Absolute magnitude estimation and relative judgment **approaches** to subjective workload assessment 87 31 1057
working memory is not 7 ± 2 A connectionist/control **architecture** for working memory and workload: why 87 31 0684
A model of human reaction time to dangerous robot **arm** movements 87 31 0191
measurement and assessment Key **Army** decision maker concerns about training performance 87 31 1251
Computer conferencing: can it help the **Army** train 87 31 0941
evaluation of a rising technology—report of year one Delivery of **Army** training via computer conferencing: an empirical 87 31 0936*
dextrous manipulator using master and six-DOF hand controllers for space **assembly** and servicing tasks Telerobotic control of a 87 31 0791
Human-machine function allocation in manufacturing and **assembly** operations 87 31 1141
decision maker concerns about training performance measurement and **assessment** Key Army 87 31 1251
judgment approaches to subjective workload **assessment** Absolute magnitude estimation and relative 87 31 1057
A theory of human performance **assessment** 87 31 0629
designs for industrial robots and robotic systems **Assessment** and development of HF-related safety 87 31 0176
Muscle strength **assessment** from the EMG frequency spectrum 87 31 0310
Practical workload **assessment** in the development process 87 31 1408
Decision support for workload **assessment:** introducing WC FIELDE 87 31 0072
task instructions A comparative **assessment** of computer-based media for presenting job 87 31 0696
cases Utilization of a reverse systems engineering approach for the **assessment** of defendants' positions in product liability 87 31 0605
guidance An **assessment** of display formats for crew alerting and 87 31 1077
Analytic techniques for the **assessment** of operator workload 87 31 0368
set (CTS) A multidimensional scaling analysis of subjective workload **assessment** technique (SWAT) ratings of the criterion task 87 31 0398
Distributed situation **assessment** under varying environmental conditions 87 31 1360
Two models of user **assistance** 87 31 0046
of hardcopy and expert system presentation of network operator **assistance** guides A comparison 87 31 0706
Authenticating users by word **association** 87 31 0135
Evaluation of **ASW** tactical symbology 87 31 1403
Attention theory and training research 87 31 0648
Advanced head-up display (HUD) symbology: aiding unusual **attitude** recovery 87 31 1067
Glove effect on strength: an investigation of glove **attributes** 87 31 0901
An investigation of the relationship between a basic **attributes** test battery and learning to fly a VTOL simulator 87 31 1378
Three-dimensional **auditory** cue simulation for crew station design/evaluation 87 31 1398
A detection theory method for the analysis of visual and **auditory** displays 87 31 1184
Time-sharing visual and **auditory** tracking tasks 87 31 0253
Authenticating users by word association 87 31 0135
organizational communication The effects of an **automated** maintenance management system on 87 31 1161
Automatic processing through the back door 87 31 1054
encouraging look Applications of **automatic/control** processing theory to complex tasks: an 87 31 0674
A methodology for system redesign: **automating** an outdated purchasing system 87 31 1144
An evaluation of office **automation** 87 31 1151
telecommunications engineering system: impacts of **automation** The user-computer interface in a 87 31 0969
aircraft Cockpit **automation** concept development for the NUH-60 (STAR) 87 31 1383
discrimination task The impact of **automation** on error detection: some results from a visual 87 31 0156
application Learning and using office **automation** on personal computers: a voice/phone 87 31 0266
review of the secondary task methodology for evaluating intelligent **automobile** displays Theoretical 87 31 0205
Heart rate **averages** as workload/fatigue indicators during OT&E 87 31 0784
Information transfer in pilots' use of a collision **avoidance** system 87 31 0428
A post-occupancy evaluation of an **award** winner 87 31 0884
Situational **awareness** in map displays 87 31 0533
Dependence of technology transfer on organizational issues: **awareness** is the first step to understanding 87 31 1030
An **axiomatic** model of information presentation 87 31 1229
Resources, confusions, and compatibility in dual **axis** tracking: displays, controls, and dynamics 87 31 1211
electromyographic activity The effects of seam height, scaling method, and **bar** weight distribution on scaling effectiveness and 87 31 0471
Handgrip strength with the **bare** hand and in the NASA spacesuit glove 87 31 0786
User-computer interface requirements for remote access data **bases** 87 31 0973
The criterion task set: an updated **battery** 87 31 0405
behavioral performance on the mathematical processing subtest of the CTS **battery** Physiological correlates of 87 31 0770
An investigation of the relationship between a basic attributes test **battery** and learning to fly a VTOL simulator 87 31 1378

Development of a test **battery** and rating scale for Morse intercept operators 87 31 0386
Repeated measures **battery** for the aged 87 31 0852
Measured impact of a mandated warning on user **behavior** 87 31 0479
design and management Macroergonomics: integrating organizational **behavior** and human factors approaches to organizational 87 31 0166*
Consumer **behavior** considerations in product design 87 31 1236
Investigation into the oscillatory **behavior** of the spinal column under whole body vibration 87 31 0307
development of a response sequence: a new description of human sampling **behavior** with multiple independent sources The 87 31 0151
research for recommending federal standards **Behavioral** effects of multiple SCBA stressors: safety 87 31 0931
subtest of the CTS battery Physiological correlates of **behavioral** performance on the mathematical processing 87 31 0770
investigation into the relative effects of alcohol on various human **behavioral** processes An integrated 87 31 0830
Evaluating a spatial task: **behavioral,** subjective, and physiological correlates 87 31 0774
Changes in team **behaviors** during operational training 87 31 0092
quasi-shape displays, and conventional univariate indicators: integration **benefits** A comparison of shape/object displays, 87 31 0543
The optimism **bias** and traffic safety 87 31 0756
A method for correcting **biases** in risk perception 87 31 0484
Quantifying the precision of **biomechanical** calculations using experimental data 87 31 0315
Biomechanical effects of force exertions while kneeling 87 31 0318
manual material handling tasks Exploratory **biomechanical** studies to determine worker fitness for 87 31 0452
positions and speeds of objects on the CRT after the screen goes **blank** Estimating 87 31 1202
magnification and allowed viewing time on the inspection of printed circuit **boards** The effects of 87 31 1014
Investigation into the oscillatory behavior of the spinal column under whole **body** vibration 87 31 0307
Dorsiflexion of the human ankle as it relates to ski **boot** design in downhill skiing 87 31 1128
of skills The interaction of **bottom-up** and top-down consistency in the development 87 31 1044
Are we boxing ourselves in with the UIMS **box** 87 31 0022
effects of synchronization on performance Work rhythm and **breathing** rhythm in a repetitive perceptual-motor task: the 87 31 1336
Quantifying the precision of biomechanical **calculations** using experimental data 87 31 0315
new signaling technology **Callers'** perceptions of post-dialing delays: the effects of a 87 31 0275
Pull-tear strength **capabilities** in adults 87 31 0993
Lifting physical work **capacity** as a function of frequency 87 31 1331
consistently mapped task Estimating **capacity** equivalence curves following practice on a 87 31 0689
theory and implications **Capacity** limitations in human information processing: 87 31 0672*
Designing airline passenger safety **cards** 87 31 0051
friction between extrinsic flexor tendons and surrounding structures in the **carpal** tunnel In vivo estimation of the coefficient of 87 31 0323
approach for the assessment of defendants' positions in product liability **cases** Utilization of a reverse systems engineering 87 31 0605
If controls in the **catalogs** just won't do, then top-down design is right for you 87 31 0997
Interface style and eclecticism: moving beyond **categorical** approaches 87 31 0571
scaling as a method for probing for conceptual structure of state **categories:** an individual analysis Multidimensional 87 31 0107
Similarities and differences in the implicit **causal** models of faculty and students 87 31 0293
Fine motor control with **CBR** protective gloves 87 31 1206
Simulator sickness research program at NASA-Ames Research **Center** 87 31 0502
Induced roll vection from stimulation of the **central** visual field 87 31 0263
A field evaluation of office **chairs** 87 31 1121
Achievement of organizational effectiveness: success cases and **challenges** for the future of human factors 87 31 1234*
Human-centered design and analysis model for **chemical** defense shelters 87 31 1166
Evaluation of conventional, serial, and **chord** keyboard options for mail encoding 87 31 0911
magnification and allowed viewing time on the inspection of printed **circuit** boards The effects of 87 31 1014
Do identical **circumstances** precede minor and major injuries 87 31 0200
evaluating digital and configural display representations **Classification** of multidimensional data under time constraints: 87 31 0116
effects of inappropriate explication **Classroom** teaching, implicit learning, and the deleterious 87 31 0289
Reducing manual materials handling in underground **coal** mining with mechanical-assist devices 87 31 0457
(STAR) aircraft **Cockpit** automation concept development for the NUH-60 87 31 1383
of human factors to the development of expert systems for advanced **cockpits** The application 87 31 1388
Dynamic function allocation in fighter **cockpits** 87 31 0414
and subjective workload in a manual system The effect of processing **code,** response modality, and task difficulty on dual task 87 31 0847
surrounding structures in the carpal tunnel In vivo estimation of the **coefficient** of friction between extrinsic flexor tendons and 87 31 0323
A confirmatory factor-analytic investigation of time-sharing performance and **cognitive** abilities 87 31 1062
Empirical studies of interactive computer graphics: perceptual and **cognitive** issues 87 31 0519
Cognitive processes during instrument landing 87 31 1216
High performance **cognitive** skill acquisition: perceptual/rule learning 87 31 0652
Cognitive skill acquisition: a developmental approach 87 31 0857
Training development for complex **cognitive** tasks 87 31 1261
Use of infrared telemetry as part of a nonintrusive inflight data **collection** system to collect human factors data 87 31 0796
Information transfer in pilots' use of a **collision** avoidance system 87 31 0428
The effective use of **color** for text on the IBM 5153 color display 87 31 1091
displays The influence of **color** on visual search and subjective discomfort using CRT 87 31 1271
An evaluation of methods for producing specific **colors** on CRTs 87 31 1276
Investigation into the oscillatory behavior of the spinal **column** under whole body vibration 87 31 0307
An approach for specifying and managing submarine **combat** system operator interface requirements 87 31 1411
Optimizing a portable terminal keyboard for **combined** one-handed and two-handed use 87 31 0585

expert system Evaluation of algorithms for
Dry environments: the influence of low humidity on
Empirical user modeling:
Human Factors Society Human-Computer Interaction Standards
Farnsworth-Munsell 100-hue test Effects of
an automated maintenance management system on organizational
Raising control/display efficiency with rapid
and conventional univariate indicators: integration benefits A
dynamics Resources, confusions, and
Training development for
contextual system training A study of the mental model of a
Voice recognition technology potential for a
strategies and concurrent-task practice: new implications for
Contrast sensitivity as a predictor of
single task versus dual task
Applications of automatic/control processing theory to
Evaluating user interface
A
The globe thermometer response under varying thermal
Analysis of quantitative data derived from
research
technology—report of year one Delivery of Army training via
A contrast of guideline recommendations and Tullis's prediction model for
Empirical studies of interactive
Perceptions of
The role of the human factors designer in an integrated
Organizational effectiveness of
students
technology The
Environmental requirements for
A comparative assessment of
Highlighting and search strategy considerations in
Comparison of workload measures on
between government and industry
Learning and using office automation on personal
directions for future research
anthropometric data to a proportional man model with reference to Prime
Cockpit automation
Operator modeling:
differences analysis Multidimensional scaling as a method for probing for
skill training Memory-encoding strategies and
data used to measure pilot workload in actual flight and simulator
to engineering measurements of VDT workstations and environmental
Analysis of quantitative data derived from computer
technology—report of year one Delivery of Army training via computer
Computer
Computer
of multidimensional data under time constraints: evaluating digital and
performance and cognitive abilities A
research
displays, controls, and dynamics Resources,
and workload: why working memory is not 7 ± 2 A
mail Social exchange in group
airship Human factors
The interaction of bottom-up and top-down
Estimating capacity equivalence curves following practice on a
representations Classification of multidimensional data under time
Safety and seat
single target alternative The effect of
Layout, organization, and the effectiveness of
warnings: an examination of the differences between male and female
Physiological stresses associated with manual handling of
Cultural

combining independent data sets in a human performance 87 31 0811
comfort and health 87 31 1101
command usage analyses for deriving models of users 87 31 0041
Committee draft proposal 87 31 0871
common fluorescent illumination on the 87 31 1266
communication The effects of 87 31 1161
communication display technology 87 31 0258
comparison of shape/object displays, quasi-shape displays, 87 31 0543
compatibility in dual axis tracking: displays, controls, and 87 31 1211
complex cognitive tasks 87 31 1261
complex dynamic system: the effect of display aiding and 87 31 0102
complex map query system 87 31 0956
complex skill training Memory-encoding 87 31 0657
complex target detection 87 31 1194
Complex task performance under speed-accuracy tradeoff: 87 31 0161
complex tasks: an encouraging look 87 31 0674
complexity 87 31 0566
componential analysis of pilot decision-making 87 31 0842
components 87 31 1341
Computer conferencing: can it help the Army train 87 31 0941
computer conferencing 87 31 0946
Computer conferencing: lessons learned and further 87 31 0937
computer conferencing: an empirical evaluation of a rising 87 31 0936*
computer displays: should text be left-justified 87 31 1226
computer graphics: perceptual and cognitive issues 87 31 0519
computer manuals: a view from the field 87 31 0139
computer system 87 31 1147
Computer work stations: preferred posture and line of sight 87 31 1005
computer-aided design 87 31 0214
Computer-aided learning support for environmental design 87 31 0889
computer-aided man-model: a safety valve in high 87 31 1393
computer-assisted instruction 87 31 0228
computer-based media for presenting job task instructions 87 31 0696
computer-generated displays 87 31 0524
computer-generated primary flight displays 87 31 0548
Computer-related training: a case study comparison 87 31 1373
computers: a voice/phone application 87 31 0266
Computers and the elderly: a review of the literature and 87 31 0866
Computer's SAMMIE program Fitting population 87 31 0325
concept development for the NUH-60 (STAR) aircraft 87 31 1383
conceptual and methodological distinctions 87 31 0031
conceptual structure of state categories: an individual 87 31 0107
concurrent-task practice: new implications for complex 87 31 0657
conditions Physiological 87 31 0779
conditions Comparing worker perceptions 87 31 0874
conferencing 87 31 0946
conferencing: an empirical evaluation of a rising 87 31 0936*
conferencing: can it help the Army train 87 31 0941
conferencing: lessons learned and further research 87 31 0937
configural display representations Classification 87 31 0116
confirmatory factor-analytic investigation of time-sharing 87 31 1062
Confounded experimental designs and human factors 87 31 0222
confusions, and compatibility in dual axis tracking: 87 31 1211
connectionist/control architecture for working memory 87 31 0684
consensus development: face-to-face versus electronic 87 31 0701
considerations for enhancing performance in the Naval 87 31 0410
consistency in the development of skills 87 31 1044
consistently mapped task 87 31 0689
constraints: evaluating digital and configural display 87 31 0116
constraints for a turreted weapon system 87 31 1241
constructing multiple-choice distractor items around a 87 31 0378
Consumer behavior considerations in product design 87 31 1236
consumer product warnings 87 31 0056
Consumer products: how are the hazards perceived 87 31 0615
consumers Factors affecting consumers' perceptions of 87 31 0610
containers of varied sizes and weights: a case study 87 31 1326
Contemporary issues for macroergonomics 87 31 0173
context and development of partnership 87 31 0335
Context, repetition, and synthesized speech intelligibility 87 31 0961

mental model of a complex dynamic system: the effect of display aiding and **contextual** system training A study of the 87 31 0102
Evaluation of total **contract** training (TCT) systems 87 31 1370
model for computer displays: should text be left-justified A **contrast** of guideline recommendations and Tullis's 87 31 1226
aircraft Further investigation of **contrast** sensitivity and visual acuity in pilot detection of 87 31 1189
detection **Contrast** sensitivity as a predictor of complex target 87 31 1194
Instruction for military air intercept **control** 87 31 0662
Human-telerobot interactions: information, **control,** and mental models 87 31 0806
A comparison of cursor **control** devices on a graphics editing task 87 31 0442
Voice and manual **control** in dual task situations 87 31 0419
hand controllers for space assembly and servicing tasks Telerobotic **control** of a dextrous manipulator using master and 87 31 0791
The effects of simulator delays on the acquisition of flight control skills: **control** of heading and altitude 87 31 1286
Evaluation metrics and a tool for **control** panel design 87 31 1123
Process **control:** safety issues and answers in Sweden and Norway 87 31 1243
The effects of simulator delays on the acquisition of flight **control** skills: control of heading and altitude 87 31 1286
Part-task versus whole-task training on a supervisory **control** task 87 31 1365
design Providing on-line advice for a dynamic **control** task: a case study in intelligent support system 87 31 0036
Fine motor **control** with CBR protective gloves 87 31 1206
technology Raising **control/display** efficiency with rapid communication display 87 31 0258
Using sensor lines to show **control-display** linkages on a four-burner stove 87 31 0581
control of a dextrous manipulator using master and six-DOF hand **controllers** for space assembly tasks Telerobotic 87 31 0791
Resources, confusions, and compatibility in dual axis tracking: displays, **controls,** and dynamics 87 31 1211
design is right for you If **controls** in the catalogs just won't do, then top-down 87 31 0997
encoding Evaluation of **conventional,** serial, and chord keyboard options for mail 87 31 0911
A comparison of shape/object displays, quasi-shape displays, and **conventional** univariate indicators: integration benefits 87 31 0543
Reworking the user interface during **convergence** of several software products 87 31 0710
performance in a hot environment Effects of **cooling** and flavoring drinking water on psychological 87 31 0825
A method for **correcting** biases in risk perception 87 31 0484
Evaluating a spatial task: behavioral, subjective, and physiological **correlates** 87 31 0774
processing subtest of the CTS battery Physiological **correlates** of behavioral performance on the mathematical 87 31 0770
Environmental, psychological, and organizational **correlates** of employee health in offices: a proposed model 87 31 0736
implementation of VDT-based data entry jobs in industrially developing **countries** A proposed model to facilitate the ergonomic 87 31 1035
considerations of ergonomics of technology transfer to newly industrializing **countries** Managerial and personnel 87 31 1023
An assessment of display formats for **crew** alerting and guidance 87 31 1077
The design and development of a **crew** display demonstration 87 31 0353
Three-dimensional auditory cue simulation for **crew** station design/evaluation 87 31 1398
Crew-induced load measurement for space operations 87 31 0800
Factor structure of the **criterion** task set 87 31 0389
The **criterion** task set: an updated battery 87 31 0405
of subjective workload assessment technique (SWAT) ratings of the **criterion** task set (CTS) A multidimensional scaling 87 31 0398
The development of a spatial orientation task for inclusion in the **criterion** task set (CTS) 87 31 0394
of sensation seeking and stimulus screening Relationship between **criterion** task set performance and the personality 87 31 0402
Organization: **critical** for holistic processing 87 31 0529
some information-processing requirements of the pilot's instrument **crosscheck** Quantifying 87 31 1301
or preemption switching **Cross-modal** interference and task integration: resources 87 31 0679
Estimating positions and speeds of objects on the **CRT** after the screen goes blank 87 31 1202
The influence of color on visual search and subjective discomfort using **CRT** displays 87 31 1271
CRT typeface design and evaluation 87 31 1311
An evaluation of methods for producing specific colors on **CRTs** 87 31 1276
inclusion in the criterion task set (**CTS)** The development of a spatial orientation task for 87 31 0394
of behavioral performance on the mathematical processing subtest of the **CTS** battery Physiological correlates 87 31 0770
Three-dimensional auditory **cue** simulation for crew station design/evaluation 87 31 1398
Cultural context and development of partnership 87 31 0335
Cultural perspectives in participatory ergonomics 87 31 1019
Structure of domination, organizational **culture,** and the facilitation of feelings in the partnership 87 31 0330
A comparison of **cursor** control devices on a graphics editing task 87 31 0442
Optimizing visual search and **cursor** movement in pull-down menus 87 31 0722
Estimating capacity equivalence **curves** following practice on a consistently mapped task 87 31 0689
Unreasonably **dangerous** 87 31 0600
A model of human reaction time to **dangerous** robot arm movements 87 31 0191
Alternative approaches to analyzing SWAT **data** 87 31 0063
The case of the missing human factors **data** 87 31 1042*
Quantifying the precision of biomechanical calculations using experimental **data** 87 31 0315
part of a nonintrusive inflight data collection system to collect human factors **data** Use of infrared telemetry as 87 31 0796
The effects of different **data** base formats on information retrieval 87 31 0983
User-computer interface requirements for remote access **data** bases 87 31 0973
Use of infrared telemetry as part of a nonintrusive inflight **data** collection system to collect human factors data 87 31 0796
Analysis of quantitative **data** derived from computer conferencing 87 31 0946
Perceptual and motor determinants of efficient **data** entry 87 31 0820
A proposed model to facilitate the ergonomic implementation of VDT-based **data** entry jobs in industrially developing countries 87 31 1035

Performance and QWL in a **data** entry task 87 31 1350
Evaluation of algorithms for combining independent **data** sets in a human performance expert system 87 31 0811
Computer's SAMMIE program Fitting population anthropometric **data** to a proportional man model with reference to Prime 87 31 0325
Comparing three-dimensional representations of **data** to scatterplots 87 31 1174
configural display representations Classification of multidimensional **data** under time constraints: evaluating digital and 87 31 0116
simulator conditions Physiological **data** used to measure pilot workload in actual flight and 87 31 0779
measurement and assessment Key Army **decision** maker concerns about training performance 87 31 1251
FIELDE **Decision** support for workload assessment: introducing WC 87 31 0072
Integrated operator-plant process modeling and **decision** support for allocation of function 87 31 0815
An interactive multi-objective **decision-aiding** system for tactical mission planning 87 31 0432
A componential analysis of pilot **decision-making** 87 31 0842
Utilization of a reverse systems engineering approach for the assessment of **defendants'** positions in product liability cases 87 31 0605
Human-centered design and analysis model for chemical **defense** shelters 87 31 1166
driving simulator Effects of visual display and motion system **delays** on operator performance and uneasiness in a 87 31 0492
heading and altitude The effects of simulator **delays** on the acquisition of flight control skills: control of 87 31 1286
Callers' perceptions of post-dialing **delays:** the effects of a new signaling technology 87 31 0275
Classroom teaching, implicit learning, and the **deleterious** effects of inappropriate explication 87 31 0289
empirical evaluation of a rising technology—report of year one **Delivery** of Army training via computer conferencing: an 87 31 0936*
mining population **Demographics** profile and safety aspects pertaining to the 87 31 0920*
The design and development of a crew display **demonstration** 87 31 0353
issues: awareness is the first step to understanding **Dependence** of technology transfer on organizational 87 31 1030
The evolution of organizational design from independent to **dependent** variable 87 31 0168
Human factors simulation to support software **design** 87 31 1416
Evaluation metrics and a tool for control panel **design** 87 31 1123
Organizational effectiveness of computer-aided **design** 87 31 0214
Principles of film editing and display system **design** 87 31 0121
for a dynamic control task: a case study in intelligent support system **design** Providing on-line advice 87 31 0036
Consumer behavior considerations in product **design** 87 31 1236
Human-centered **design** and analysis model for chemical defense shelters 87 31 1166
The **design** and development of a crew display demonstration 87 31 0353
CRT typeface **design** and evaluation 87 31 1311
prison officers Job **design** and levels of physical and mental strain among 87 31 0340
organizational behavior and human factors approaches to organizational **design** and management Macroergonomics: integrating 87 31 0166*
from individual disciplines: starting with ergonomics, organizational **design,** and management Synthesis of information 87 31 1028
MENUDA: a knowledge-based menu **design** expert system 87 31 1315
Simulator **design** features for helicopter shipboard landings 87 31 0233
The evolution of organizational **design** from independent to dependent variable 87 31 0168
Development of instructional **design** guidelines for team training devices 87 31 0097
Dorsiflexion of the human ankle as it relates to ski boot **design** in downhill skiing 87 31 1128
Using the user's intelligence to **design** intelligent interfaces 87 31 0281
If controls in the catalogs just won't do, then top-down **design** is right for you 87 31 0997
Knowledge-aided display **design** (KADD) system: an evaluation 87 31 0536
Computer-aided learning support for environmental **design** students 87 31 0889
User interface **design** tools 87 31 0025
The role of the human factors **designer** in an integrated computer system 87 31 1147
Three-dimensional auditory cue simulation for crew station **design/evaluation** 87 31 1398
Designing airline passenger safety cards 87 31 0051
man-machine interface On-board electronic warfare simulator (OBEWS): **designing** the ground support subsystem (GSS) 87 31 1296
A comparative evaluation of warning label **designs** 87 31 0476
Confounded experimental **designs** and human factors research 87 31 0222
Assessment and development of HF-related safety **designs** for industrial robots and robotic systems 87 31 0176
A **desktop** expert system as a human factors work aid 87 31 1087
Contrast sensitivity as a predictor of complex target **detection** 87 31 1194
Further investigation of contrast sensitivity and visual acuity in pilot **detection** of aircraft 87 31 1189
of symbols Signal **detection** performance as a function of Fourier description 87 31 1198
The impact of automation on error **detection:** some results from a visual discrimination task 87 31 0156
auditory displays A **detection** theory method for the analysis of visual and 87 31 1184
Perceptual and motor **determinants** of efficient data entry 87 31 0820
maintenance personnel **Determining** training requirements for mechanical 87 31 1256
ergonomic implementation of VDT-based data entry jobs in industrially **developing** countries A proposed model to facilitate the 87 31 1035
MANPRINT methods **development** 87 31 0621
STALL: a simple model for workload analysis in early system **development** 87 31 0363
Advanced manufacturing technology **development:** a macroergonomics perspective 87 31 1156
Social exchange in group consensus **development:** face-to-face versus electronic mail 87 31 0701
Training **development** for complex cognitive tasks 87 31 1261
Cockpit automation concept **development** for the NUH-60 (STAR) aircraft 87 31 1383
Team **development** in operational team training systems 87 31 0081*
Aerospace applications of image **development** language 87 31 0541
System requirements **development** methodology 87 31 0625

The design and **development** of a crew display demonstration 87 31 0353
human sampling behavior with multiple independent sources The **development** of a response sequence: a new description of 87 31 0151
the criterion task set (CTS) The **development** of a spatial orientation task for inclusion in 87 31 0394
Development of a system engineer workstation 87 31 1421
intercept operators **Development** of a test battery and rating scale for Morse 87 31 0386
The application of human factors to the **development** of expert systems for advanced cockpits 87 31 1388
robots and robotic systems Assessment and **development** of HF-related safety designs for industrial 87 31 0176
training devices **Development** of instructional design guidelines for team 87 31 0097
Cultural context and **development** of partnership 87 31 0335
The interaction of bottom-up and top-down consistency in the **development** of skills 87 31 1044
Practical workload assessment in the **development** process 87 31 1408
interface Use of structured **development** techniques to specify the user-system 87 31 1425
Cognitive skill acquisition: a **developmental** approach 87 31 0857
The tracometer as an intoxication warning **device** 87 31 0751
A prototype taxonomy of training **device** visual systems 87 31 0238
Development of instructional design guidelines for team training **devices** 87 31 0097
materials handling in underground coal mining with mechanical-assist **devices** Reducing manual 87 31 0457
A comparison of cursor control **devices** on a graphics editing task 87 31 0442
controllers for space assembly and servicing tasks Telerobotic control of a **dextrous** manipulator using master and six-DOF hand 87 31 0791
method for probing for conceptual structure of state categories: an individual **differences** analysis Multidimensional scaling as a 87 31 0107
affecting consumers' perceptions of product warnings: an examination of the Age **differences** between male and female consumers Factors 87 31 0610
differences in judgments of vehicle velocity and distance 87 31 0558
students Similarities and **differences** in the implicit causal models of faculty and 87 31 0293
manual system The effect of processing code, response modality, and task **difficulty** on dual task performance and subjective 87 31 0847
Classification of multidimensional data under time constraints: evaluating **digital** and configural display representations 87 31 0116
A taxonomic approach to understanding **direct** manipulation 87 31 0576
Understanding **direct** manipulation interfaces 87 31 0565*
Computers and the elderly: a review of the literature and **directions** for future research 87 31 0866
A norm-independent technique for assessing physical ability of the severely **disabled** 87 31 0862
The power of systems science: the synthesis of information from individual **disciplines:** starting with ergonomics, organizational 87 31 1028
The influence of color on visual search and subjective **discomfort** using CRT displays 87 31 1271
Speech **discrimination** in noise: the influence of hearing protection 87 31 1246
The impact of automation on error detection: some results from a visual **discrimination** task 87 31 0156
status on group interaction processes: electronic mail versus face-to-face **discussions** Influence of 87 31 1355
Postural **disequilibrium** following training flight 87 31 0488
horizontal planes Eye and head **displacement** to targets fixated in the vertical and 87 31 0243
The effective use of color for text on the IBM 5153 color **display** 87 31 1091
A study of the mental model of a complex dynamic system: the effect of **display** aiding and contextual system training 87 31 0102
and uneasiness in a driving simulator Effects of visual **display** and motion system delays on operator performance 87 31 0492
The design and development of a crew **display** demonstration 87 31 0353
Knowledge-aided **display** design (KADD) system: an evaluation 87 31 0536
Visual **display** factors contributing to simulator sickness 87 31 0497
An assessment of **display** formats for crew alerting and guidance 87 31 1077
Display formatting: an expert system application 87 31 1320*
Advanced head-up **display** (HUD) symbology: aiding unusual attitude recovery 87 31 1067
effect of system structure and display integrality Visual **display** representation of multidimensional systems: the 87 31 0112
of data under time constraints: evaluating digital and configural **display** representations Classification 87 31 0116
Selection of visual **display** symbology: a new metric of similarity 87 31 0510
Principles of film editing and **display** system design 87 31 0121
Raising control/display efficiency with rapid communication **display** technology 87 31 0258
Illumination levels in offices with visual **display** units 87 31 1113
An evaluation of **display/control** gain 87 31 0437
Highlighting and search strategy considerations in computer-generated **displays** 87 31 0524
Comparison of workload measures on computer-generated primary flight **displays** 87 31 0548
the secondary task methodology for evaluating intelligent automobile **displays** Theoretical review of 87 31 0205
The influence of color on visual search and subjective discomfort using CRT **displays** 87 31 1271
visual search model to highlighted and non-highlighted tabular **displays** Application of Tullis's 87 31 1221
Situational awareness in map **displays** 87 31 0533
A detection theory method for the analysis of visual and auditory **displays** 87 31 1184
benefits A comparison of shape/object displays, quasi-shape **displays,** and conventional univariate indicators: integration 87 31 0543
Resources, confusions, and compatibility in dual axis tracking: **displays,** controls, and dynamics 87 31 1211
Pictorial format **displays** for two-seat fighter-attack aircraft 87 31 1072
univariate indicators: integration benefits A comparison of shape/object **displays,** quasi-shape displays, and conventional 87 31 0543
guideline recommendations and Tullis's prediction model for computer **displays:** should text be left-justified A contrast of 87 31 1226
Age differences in judgments of vehicle velocity and **distance** 87 31 0558
Operator modeling: conceptual and methodological **distinctions** 87 31 0031
The effect of constructing multiple-choice **distractor** items around a single target alternative 87 31 0378
environmental conditions **Distributed** situation assessment under varying 87 31 1360
activity The effects of seam height, scaling method, and bar weight **distribution** on scaling effectiveness and 87 31 0471

Findings in measuring the usage of online
feelings in the partnership Structure of
Automatic processing through the back
design in downhill skiing
Gender and handedness in grip strength: a
Dorsiflexion of the human ankle as it relates to ski boot design in
Human Factors Society Human-Computer Interaction Standards Committee
environment Effects of cooling and flavoring
Is selective screening of older
motion system delays on operator performance and uneasiness in a
and health
Resources, confusions, and compatibility in
performance under speed-accuracy tradeoff: single task versus
The effect of processing code, response modality, and task difficulty on
Voice and manual control in
system design Providing on-line advice for a
comparative study
versus isolated work setting Team performance of a
system training A study of the mental model of a complex
confusions, and compatibility in dual axis tracking: displays, controls, and
STALL: a simple model for workload analysis in
Interface style and
Principles of film
A comparison of cursor control devices on a graphics
Human factors in
The
Raising control/display
Perceptual and motor determinants of
research Computers and the
scaling method, and bar weight distribution on scaling effectiveness and
Social exchange in group consensus development: face-to-face versus
Influence of status on group interaction processes:
ground support subsystem (GSS) man-machine interface On-board
Muscle strength assessment from the
one Delivery of Army training via computer conferencing: an
perceptual and cognitive issues
deriving models of users
Environmental, psychological, and organizational correlates of
Evaluation of conventional, serial, and chord keyboard options for mail
Applications of automatic/control processing theory to complex tasks: an
Development of a system
Five Macintosh tools for human factors
positions in product liability cases Utilization of a reverse systems
Incorporating human
environmental conditions Comparing worker perceptions to
Human factors
Function modeling applied to human factors
The user-computer interface in a telecommunications
Advanced human factors
Human factors considerations for
Perceptual and motor determinants of efficient data
Airborne message
A model to facilitate the ergonomic implementation of VDT-based data
Performance and QWL in a data
and flavoring drinking water on psychological performance in a hot
The evolution and maturation of operational teams in a training
Occupant perception of the work
worker perceptions to engineering measurements of VDT workstations and
Distributed situation assessment under varying
Computer-aided learning support for
correlates of employee health in offices: a proposed model
instruction
and health Dry
performance Isoperformance: trading off selection, training, and
mapped task Estimating capacity
in industrially developing countries A proposed model to facilitate the

documentation 87 31 0224
domination, organizational culture, and the facilitation of 87 31 0330
door 87 31 1054
Dorsiflexion of the human ankle as it relates to ski boot 87 31 1128
double whammy for females 87 31 0906
downhill skiing 87 31 1128
draft proposal 87 31 0871
drinking water on psychological performance in a hot 87 31 0825
drivers for vision feasible 87 31 0562
Driving performance as a function of time on the road 87 31 0766
driving simulator Effects of visual display and 87 31 0492
Dry environments: the influence of low humidity on comfort 87 31 1101
dual axis tracking: displays, controls, and dynamics 87 31 1211
dual task Complex task 87 31 0161
dual task performance and subjective workload in a manual 87 31 0847
dual task situations 87 31 0419
dynamic control task: a case study in intelligent support 87 31 0036
Dynamic function allocation in fighter cockpits 87 31 0414
Dynamic lifting strengths of male and female teams: a 87 31 0467
dynamic resource allocation task: comparison of shared 87 31 1345
dynamic system: the effect of display aiding and contextual 87 31 0102
dynamics Resources, 87 31 1211
early system development 87 31 0363
eclecticism: moving beyond categorical approaches 87 31 0571
editing and display system design 87 31 0121
editing task 87 31 0442
education: strategic planning for the future 87 31 0746
effective use of color for text on the IBM 5153 color display 87 31 1091
efficiency with rapid communication display technology 87 31 0258
efficient data entry 87 31 0820
elderly: a review of the literature and directions for future 87 31 0866
electromyographic activity The effects of seam height, 87 31 0471
electronic mail 87 31 0701
electronic mail versus face-to-face discussions 87 31 1355
electronic warfare simulator (OBEWS): designing the 87 31 1296
EMG frequency spectrum 87 31 0310
empirical evaluation of a rising technology—report of year 87 31 0936*
Empirical studies of interactive computer graphics: 87 31 0519
Empirical user modeling: command usage analyses for 87 31 0041
employee health in offices: a proposed model 87 31 0736
encoding 87 31 0911
encouraging look 87 31 0674
engineer workstation 87 31 1421
engineering 87 31 1306
engineering approach for the assessment of defendants' 87 31 0605
engineering into a SDI simulation 87 31 1170
engineering measurements of VDT workstations and 87 31 0874
engineering planning aid 87 31 0350
engineering productivity improvement 87 31 0741
engineering system: impacts of automation 87 31 0969
engineering tool technologies 87 31 0345
enhancing performance in the Naval airship 87 31 0410
entry 87 31 0820
entry by voice recognition 87 31 0424
entry jobs in industrially developing countries 87 31 1035
entry task 87 31 1350
environment Effects of cooling 87 31 0825
environment 87 31 0082
environment 87 31 1105
environmental conditions Comparing 87 31 0874
environmental conditions 87 31 1360
environmental design students 87 31 0889
Environmental, psychological, and organizational 87 31 0736
Environmental requirements for computer-assisted 87 31 0228
environments: the influence of low humidity on comfort 87 31 1101
equipment variations to maintain the same level of systems 87 31 0634
equivalence curves following practice on a consistently 87 31 0689
Ergonomic considerations in robot selection and safety 87 31 0181
ergonomic implementation of VDT-based data entry jobs 87 31 1035

Evaluation of trailer hitches using **ergonomic** principles 87 31 0210
Cultural perspectives in participatory **ergonomics** 87 31 1019
countries Managerial and personnel considerations of **ergonomics** of technology transfer to newly industrializing 87 31 1023
The power of systems science: starting with **ergonomics,** organizational design, and management 87 31 1028
task The impact of automation on **error** detection: some results from a visual discrimination 87 31 0156
on a consistently mapped task **Estimating** capacity equivalence curves following practice 87 31 0689
after the screen goes blank **Estimating** positions and speeds of objects on the CRT 87 31 1202
workload assessment Absolute magnitude **estimation** and relative judgment approaches to subjective 87 31 1057
tendons and surrounding structures in the carpal tunnel In vivo **estimation** of the coefficient of friction between extrinsic 87 31 0323
Simulator-induced syndrome: **evidence** for long-term simulator aftereffects 87 31 0505
environment The **evolution** and maturation of operational teams in a training 87 31 0082
dependent variable The **evolution** of organizational design from independent to 87 31 0168
workload ratings for three psychometric scaling techniques An **examination** of projective versus post-task subjective 87 31 0077
Factors affecting consumers' perceptions of product warnings: an **examination** of the differences between male and female 87 31 0610
versus electronic mail Social **exchange** in group consensus development: face-to-face 87 31 0701
in the People's Republic of China: some observations based on a faculty **exchange** program Human factors 87 31 0298
Laboratory **exercises** in human factors at the undergraduate level 87 31 0302
Biomechanical effects of force **exertions** while kneeling 87 31 0318
Visual inspection for multiple flaws: effects of long-term inspector **experience** 87 31 1009
workload during IFR flight The effect of **experience** on subjective ratings for aircraft and simulator 87 31 0838
service **Experiences** with an integrated voice and text message 87 31 0270
MENUDA: a knowledge-based menu design **expert** system 87 31 1315
Human factors evaluation of gas turbine **expert** system 87 31 1133
algorithms for combining independent data sets in a human performance **expert** system Evaluation of 87 31 0811
Display formatting: an **expert** system application 87 31 1320*
A desktop **expert** system as a human factors work aid 87 31 1087
guides A comparison of hardcopy and **expert** system presentation of network operator assistance 87 31 0706
The application of human factors to the development of **expert** systems for advanced cockpits 87 31 1388
Some guidelines for human factors **expert** witness testimony 87 31 0595
teaching, implicit learning, and the deleterious effects of inappropriate **explication** Classroom 87 31 0289
fitness for manual material handling tasks **Exploratory** biomechanical studies to determine worker 87 31 0452
carpal tunnel In vivo estimation of the coefficient of friction between **extrinsic** flexor tendons and surrounding structures in the 87 31 0323
and horizontal planes **Eye** and head displacement to targets fixated in the vertical 87 31 0243
Influence of status on group interaction processes: electronic mail versus **face-to-face** discussions 87 31 1355
Social exchange in group consensus development: **face-to-face** versus electronic mail 87 31 0701
entry jobs in industrially developing countries A proposed model to **facilitate** the ergonomic implementation of VDT-based data 87 31 1035
Structure of domination, organizational culture, and the **facilitation** of feelings in the partnership 87 31 0330
Factor structure of the criterion task set 87 31 0389
and cognitive abilities A confirmatory **factor-analytic** investigation of time-sharing performance 87 31 1062
Similarities and differences in the implicit causal models of **faculty** and students 87 31 0293
in the People's Republic of China: some observations based on a **faculty** exchange program Human factors 87 31 0298
Failure to identify "identifiable" sounds 87 31 0144
Stopping performance in **familiar** and unfamiliar vehicles 87 31 0762
Effects of common fluorescent illumination on the **Farnsworth-Munsell** 100-hue test 87 31 1266
Is selective screening of older drivers for vision **feasible** 87 31 0562
User interface prototyping: a review of PC-based tools and their **features** 87 31 1082
Simulator design **features** for helicopter shipboard landings 87 31 0233
effects of multiple SCBA stressors: safety research for recommending **federal** standards Behavioral 87 31 0931
Structure of domination, organizational culture, and the facilitation of **feelings** in the partnership 87 31 0330
of product warnings: an examination of the differences between male and **female** consumers Factors affecting consumers' 87 31 0610
Dynamic lifting strengths of male and **female** teams: a comparative study 87 31 0467
Gender and handedness in grip strength: a double whammy for **females** 87 31 0906
Induced roll vection from stimulation of the central visual **field** 87 31 0263
Perceptions of computer manuals: a view from the **field** 87 31 0139
A **field** evaluation of office chairs 87 31 1121
Dynamic function allocation in **fighter** cockpits 87 31 0414
Pictorial format displays for two-seat **fighter-attack** aircraft 87 31 1072
Principles of **film** editing and display system design 87 31 0121
Findings in measuring the usage of online documentation 87 31 0224
Fine motor control with CBR protective gloves 87 31 1206
Scenario analyses of **finger** injuries in industrial accidents 87 31 0916
Fit for humans: a new look for the **finite** intersection test 87 31 1096
technology transfer on organizational issues: awareness is the **first** step to understanding Dependence of 87 31 1030
Fit for humans: a new look for the finite intersection test 87 31 1096
Exploratory biomechanical studies to determine worker **fitness** for manual material handling tasks 87 31 0452
Fitting population anthropometric data to a proportional 87 31 0325
Eye and head displacement to targets **fixated** in the vertical and horizontal planes 87 31 0243
hot environment Effects of cooling and **flavoring** drinking water on psychological performance in a 87 31 0825
Visual inspection for multiple **flaws:** effects of long-term inspector experience 87 31 1009

tunnel In vivo estimation of the coefficient of friction between extrinsic
Postural disequilibrium following training
aircraft and simulator workload during IFR
Physiological data used to measure pilot workload in actual
The effects of simulator delays on the acquisition of
Comparison of workload measures on computer-generated primary tasks
100-hue test Effects of common
between a basic attributes test battery and learning to
Biomechanical effects of
Pictorial
Comparison of horizontal and vertical menu
menu systems: a comparative investigation of analogical and pictorial
An assessment of display
The effects of different data base
Display
Using sensor lines to show control-display linkages on a
Signal detection performance as a function of
Lifting physical work capacity as a function of
mining Research to determine the
Muscle strength assessment from the EMG
structures in the carpal tunnel In vivo estimation of the coefficient of
operator-plant process modeling and decision support for allocation of productivity improvement
Signal detection performance as a
Driving performance as a
Human factors in education: strategic planning for the
organizational effectiveness: success cases and challenges for the
Computers and the elderly: a review of the literature and directions for
An evaluation of display/control
Human factors evaluation of
whammy for females
components The
Handgrip strength with the bare hand and in the NASA spacesuit
Glove effect on strength: an investigation of
Fine motor control with CBR protective
The effects of
Computer-related training: a case study comparison between
MANPRINT perspectives: r&d/production and
A comparison of cursor control devices on a
Empirical studies of interactive computer
Gender and handedness in
A method for measuring the effect of
On-board electronic warfare simulator (OBEWS): designing the electronic mail Social exchange in
face-to-face discussions Influence of status on
warfare simulator (OBEWS): designing the ground support subsystem (
An assessment of display formats for crew alerting and
for computer displays: should text be left-justified A contrast of
Some
Development of instructional design
hardcopy and expert system presentation of network operator assistance
Handgrip strength with the bare
Telerobotic control of a dextrous manipulator using master and six-DOF
measuring the effect of grip surface on torque production during
Gender and
spacesuit glove
mines Preliminary recommendations for
mechanical-assist devices Reducing manual materials
study Physiological stresses associated with manual
biomechanical studies to determine worker fitness for manual material
operator assistance guides A comparison of
Consumer products: how are the
horizontal planes Eye and
simulator delays on the acquisition of flight control skills: control of
recovery Advanced
Dry environments: the influence of low humidity on comfort and

flexor tendons and surrounding structures in the carpal 87 31 0323
flight 87 31 0488
flight The effect of experience on subjective ratings for 87 31 0838
flight and simulator conditions 87 31 0779
flight control skills: control of heading and altitude 87 31 1286
flight displays 87 31 0548
Flight simulation training using standard and non-standard 87 31 1291
fluorescent illumination on the Farnsworth-Munsell 87 31 1266
fly a VTOL simulator An investigation of the relationship 87 31 1378
force exertions while kneeling 87 31 0318
format displays for two-seat fighter-attack aircraft 87 31 1072
formats 87 31 0715
formats Learning hierarchical 87 31 0978
formats for crew alerting and guidance 87 31 1077
formats on information retrieval 87 31 0983
formatting: an expert system application 87 31 1320*
four-burner stove 87 31 0581
Fourier description of symbols 87 31 1198
frequency 87 31 1331
frequency and cause of injury accidents in underground 87 31 0926
frequency spectrum 87 31 0310
friction between extrinsic flexor tendons and surrounding 87 31 0323
function Integrated 87 31 0815
Function modeling applied to human factors engineering 87 31 0741
function of Fourier description of symbols 87 31 1198
function of time on the road 87 31 0766
future 87 31 0746
future of human factors Achievement of 87 31 1234*
future research 87 31 0866
gain 87 31 0437
gas turbine expert system 87 31 1133
Gender and handedness in grip strength: a double 87 31 0906
globe thermometer response under varying thermal 87 31 1341
glove 87 31 0786
glove attributes 87 31 0901
Glove effect on strength: an investigation of glove attributes 87 31 0901
gloves 87 31 1206
gloves on maximum holding time 87 31 0894
government and industry 87 31 1373
government/industry 87 31 1040*
graphics editing task 87 31 0442
graphics: perceptual and cognitive issues 87 31 0519
grip strength: a double whammy for females 87 31 0906
grip surface on torque production during hand/arm rotation 87 31 0898
ground support subsystem (GSS) man-machine interface 87 31 1296
group consensus development: face-to-face versus 87 31 0701
group interaction processes: electronic mail versus 87 31 1355
GSS) man-machine interface On-board electronic 87 31 1296
guidance 87 31 1077
guideline recommendations and Tullis's prediction model 87 31 1226
guidelines for human factors expert witness testimony 87 31 0595
guidelines for team training devices 87 31 0097
guides A comparison of 87 31 0706
Habitability in long-term space missions 87 31 0803
hand and in the NASA spacesuit glove 87 31 0786
hand controllers for space assembly and servicing tasks 87 31 0791
hand/arm rotation A method for 87 31 0898
handedness in grip strength: a double whammy for females 87 31 0906
Handgrip strength with the bare hand and in the NASA 87 31 0786
handling and lifting materials in underground low-coal 87 31 0921
handling in underground coal mining with 87 31 0457
handling of containers of varied sizes and weights: a case 87 31 1326
handling tasks Exploratory 87 31 0452
hardcopy and expert system presentation of network 87 31 0706
hazards perceived 87 31 0615
head displacement to targets fixated in the vertical and 87 31 0243
heading and altitude The effects of 87 31 1286
head-up display (HUD) symbology: aiding unusual attitude 87 31 1067
health 87 31 1101

Environmental, psychological, and organizational correlates of employee **health** in offices: a proposed model 87 31 0736
Speech discrimination in noise: the influence of **hearing** protection 87 31 1246
OT&E **Heart** rate averages as workload/fatigue indicators during 87 31 0784
scaling effectiveness and electromyographic activity The effects of seam **height,** scaling method, and bar weight distribution on 87 31 0471
Simulator design features for **helicopter** shipboard landings 87 31 0233
Computer conferencing: can it **help** the Army train 87 31 0941
systems Assessment and development of **HF-related** safety designs for industrial robots and robotic 87 31 0176
analogical and pictorial formats Learning **hierarchical** menu systems: a comparative investigation of 87 31 0978
Application of Tullis's visual search model to **highlighted** and non-highlighted tabular displays 87 31 1221
computer-generated displays **Highlighting** and search strategy considerations in 87 31 0524
Evaluation of trailer **hitches** using ergonomic principles 87 31 0210
The effects of gloves on maximum **holding** time 87 31 0894
Organization: critical for **holistic** processing 87 31 0529
Comparison of **horizontal** and vertical menu formats 87 31 0715
Eye and head displacement to targets fixated in the vertical and **horizontal** planes 87 31 0243
Microcomputer human operator simulator (**HOS-IV)** 87 31 1179
cooling and flavoring drinking water on psychological performance in a **hot** environment Effects of 87 31 0825
Advanced head-up display (**HUD)** symbology: aiding unusual attitude recovery 87 31 1067
skiing Dorsiflexion of the **human** ankle as it relates to ski boot design in downhill 87 31 1128
An integrated investigation into the relative effects of alcohol on various **human** behavioral processes 87 31 0830
Incorporating **human** engineering into a SDI simulation 87 31 1170
organizational effectiveness: success cases and challenges for the future of **human** factors Achievement of 87 31 1234*
All-terrain vehicles: a **human** factors and safety analysis 87 31 0760
management Macroergonomics: integrating organizational behavior and **human** factors approaches to organizational design and 87 31 0166*
Laboratory exercises in **human** factors at the undergraduate level 87 31 0302
in the Naval airship **Human** factors considerations for enhancing performance 87 31 0410
The case of the missing **human** factors data 87 31 1042*
telemetry as part of a nonintrusive inflight data collection system to collect **human** factors data Use of infrared 87 31 0796
The role of the **human** factors designer in an integrated computer system 87 31 1147
Five Macintosh tools for **human** factors engineering 87 31 1306
Human factors engineering planning aid 87 31 0350
Advanced **human** factors engineering tool technologies 87 31 0345
Function modeling applied to **human** factors engineering productivity improvement 87 31 0741
Human factors evaluation of gas turbine expert system 87 31 1133
Some guidelines for **human** factors expert witness testimony 87 31 0595
Applying **human** factors in anesthesia monitoring 87 31 0988
Human factors in education: strategic planning for the future 87 31 0746
Introducing and promoting **human** factors in the real world: a case study 87 31 0732
observations based on a faculty exchange program **Human** factors in the People's Republic of China: some 87 31 0298
Confounded experimental designs and **human** factors research 87 31 0222
Human factors simulation to support software design 87 31 1416
Standards Committee draft proposal **Human** Factors Society Human-Computer Interaction 87 31 0871
industry Implementation of a shared **human** factors support program between academia and 87 31 0285
advanced cockpits The application of **human** factors to the development of expert systems for 87 31 1388
A desktop expert system as a **human** factors work aid 87 31 1087
training systems view A **human** information processing theory of skill acquisition: a 87 31 0643
Capacity limitations in **human** information processing: theory and implications 87 31 0672*
Microcomputer **human** operator simulator (HOS-IV) 87 31 1179
motions **Human** perception of the maximum safe speed of robot 87 31 0186
The effects of modality and stress across task type on **human** performance 87 31 0514
Keynote address: New technology, **human** performance, and transportation system safety 87 31 0015
A theory of **human** performance assessment 87 31 0629
Evaluation of algorithms for combining independent data sets in a **human** performance expert system 87 31 0811
A study of **human** performance in a sewing task 87 31 0590
Impact of **human** performance on system performance 87 31 0620*
A model of **human** reaction time to dangerous robot arm movements 87 31 0191
sources The development of a response sequence: a new description of **human** sampling behavior with multiple independent 87 31 0151
The **human** side of technology 87 31 0061*
defense shelters **Human-centered** design and analysis model for chemical 87 31 1166
proposal Human Factors Society **Human-Computer** Interaction Standards Committee draft 87 31 0871
Effect of music on performance in **human-computer** interface 87 31 1321
assembly operations **Human-machine** function allocation in manufacturing and 87 31 1141
Toward a new approach to vision: applications to robots and **humans** 87 31 1281
Fit for **humans:** a new look for the finite intersection test 87 31 1096
mental models **Human-telerobot** interactions: information, control, and 87 31 0806
Dry environments: the influence of low **humidity** on comfort and health 87 31 1101
Effects of common fluorescent illumination on the Farnsworth-Munsell **100-hue** test 87 31 1266
The effective use of color for text on the **IBM** 5153 color display 87 31 1091
Learning and preference for **icon-based** interface 87 31 0125

Do **identical** circumstances precede minor and major injuries 87 31 0200
Failure to identify " **identifiable**" sounds 87 31 0144
Failure to **identify** "identifiable" sounds 87 31 0144
experience on subjective ratings for aircraft and simulator workload during **IFR** flight The effect of 87 31 0838
Illumination levels in offices with visual display units 87 31 1113
Effects of common fluorescent **illumination** on the Farnsworth-Munsell 100-hue test 87 31 1266
Aerospace applications of **image** development language 87 31 0541
Measured **impact** of a mandated warning on user behavior 87 31 0479
a visual discrimination task The **impact** of automation on error detection: some results from 87 31 0156
program between academia and industry **Implementation** of a shared human factors support 87 31 0285
Successful **implementation** of an injury prevention program 87 31 1138
developing countries A proposed model to facilitate the ergonomic **implementation** of VDT-based data entry jobs in 87 31 1035
Function modeling applied to human factors engineering productivity **improvement** 87 31 0741
In vivo estimation of the coefficient of friction between 87 31 0323
Classroom teaching, implicit learning, and the deleterious effects of **inappropriate** explication 87 31 0289
The development of a spatial orientation task for **inclusion** in the criterion task set (CTS) 87 31 0394
Incorporating human engineering into a SDI simulation 87 31 1170
system Evaluation of algorithms for combining **independent** data sets in a human performance expert 87 31 0811
sequence: a new description of human sampling behavior with multiple **independent** sources The development of a response 87 31 0151
The evolution of organizational design from **independent** to dependent variable 87 31 0168
Alphabet soup: case and order in **index** search 87 31 0130
Heart rate averages as workload/fatigue **indicators** during OT&E 87 31 0784
shape/object displays, quasi-shape displays, and conventional univariate **indicators:** integration benefits A comparison of 87 31 0543
Subjective workload under **individual** and team performance conditions 87 31 0067
as a method for probing for conceptual structure of state categories: an **individual** differences analysis Multidimensional scaling 87 31 0107
The power of systems science: the synthesis of information from **individual** disciplines: starting with ergonomics 87 31 1028
Industrial accidents: does age matter 87 31 0553
Scenario analyses of finger injuries in **industrial** accidents 87 31 0916
Assessment and development of HF-related safety designs for **industrial** robots and robotic systems 87 31 0176
Accident proneness in the **industrial** setting 87 31 0196
personnel considerations of ergonomics of technology transfer to newly **industrializing** countries Managerial and 87 31 1023
facilitate the ergonomic implementation of VDT-based data entry jobs in **industrially** developing countries A proposed model to 87 31 1035
training: a case study comparison between government and **industry** Computer-related 87 31 1373
of a shared human factors support program between academia and **industry** Implementation 87 31 0285
Use of infrared telemetry as part of a nonintrusive **inflight** data collection system to collect human factors data 87 31 0796
description of human sampling behavior with independent sources of **information** The development of response sequence: 87 31 0151
Human-telerobot interactions: **information,** control, and mental models 87 31 0806
ergonomics The power of systems science: the synthesis of **information** from individual disciplines: starting with 87 31 1028
An axiomatic model of **information** presentation 87 31 1229
Capacity limitations in human **information** processing: theory and implications 87 31 0672*
systems view A human **information** processing theory of skill acquisition: a training 87 31 0643
The effects of different data base formats on **information** retrieval 87 31 0983
system **Information** transfer in pilots' use of a collision avoidance 87 31 0428
instrument crosscheck Quantifying some **information-processing** requirements of the pilot's 87 31 1301
collection system to collect human factors data Use of **infrared** telemetry as part of a nonintrusive inflight data 87 31 0796
Do identical circumstances precede minor and major **injuries** 87 31 0200
Scenario analyses of finger **injuries** in industrial accidents 87 31 0916
Research to determine the frequency and cause of **injury** accidents in underground mining 87 31 0926
Successful implementation of an **injury** prevention program 87 31 1138
Aging and technological **innovation** 87 31 0694*
experience Visual **inspection** for multiple flaws: effects of long-term inspector 87 31 1009
The effects of magnification and allowed viewing time on the **inspection** of printed circuit boards 87 31 1014
Visual inspection for multiple flaws: effects of long-term **inspector** experience 87 31 1009
Environmental requirements for computer-assisted **instruction** 87 31 0228
Instruction for military air intercept control 87 31 0662
Development of **instructional** design guidelines for team training devices 87 31 0097
Instructional processes in team training 87 31 0087
A comparative assessment of computer-based media for presenting job task **instructions** 87 31 0696
Quantifying some information-processing requirements of the pilot's **instrument** crosscheck 87 31 1301
Cognitive processes during **instrument** landing 87 31 1216
multidimensional systems: the effect of system structure and display **integrality** Visual display representation of 87 31 0112
The role of the human factors designer in an **integrated** computer system 87 31 1147
on various human behavioral processes An **integrated** investigation into the relative effects of alcohol 87 31 0830
support for allocation of function **Integrated** operator-plant process modeling and decision 87 31 0815
Experiences with an **integrated** voice and text message service 87 31 0270
approaches to organizational design and management Macroergonomics: **integrating** organizational behavior and human factors 87 31 0166*
displays, quasi-shape displays, and conventional univariate indicators: **integration** benefits A comparison of shape/object 87 31 0543
Cross-modal interference and task **integration:** resources or preemption switching 87 31 0679
Using the user's **intelligence** to design intelligent interfaces 87 31 0281

Theoretical review of the secondary task methodology for evaluating
Using the user's intelligence to design
Providing on-line advice for a dynamic control task: a case study in
Context, repetition, and synthesized speech
development of skills The
discussions Influence of status on group
Human Factors Society Human-Computer
Human-telerobot
issues Empirical studies of
tactical mission planning An
Instruction for military air
Development of a test battery and rating scale for Morse
Use of structured development techniques to specify the user-system
Learning and preference for icon-based
(OBEWS): designing the ground support subsystem (GSS) man-machine
Effect of music on performance in human-computer
Evaluating user
User
Reworking the user
impacts of automation The user-computer
features User
User-computer
for specifying and managing submarine combat system operator
approaches
Understanding direct manipulation
Using the user's intelligence to design intelligent
Rapid-software for prototyping user
switching Cross-modal
The search for underlying
Fit for humans: a new look for the finite
The tracometer as an
a case study
resource allocation task: comparison of shared versus
equipment variations to maintain the same level
The effect of constructing multiple-choice distractor
prison officers
A comparative assessment of computer-based media for presenting
model to facilitate the ergonomic implementation of VDT-based data entry
Absolute magnitude estimation and relative
Age differences in
Knowledge-aided display design (
performance measurement and assessment
Optimizing a portable terminal
Evaluation of conventional, serial, and chord
and transportation system safety
Biomechanical effects of force exertions while
evaluation
MENUDA: a
A comparative evaluation of warning
undergraduate level
Cognitive processes during instrument
Simulator design features for helicopter shipboard
Aerospace applications of image development
product warnings
Computer conferencing: lessons
High performance cognitive skill acquisition: perceptual/rule
explication Classroom teaching, implicit
computers: a voice/phone application
investigation of analogical and pictorial formats
Computer-aided
Perceptual
investigation of the relationship between a basic attributes test battery and
and Tullis's prediction model for computer displays: should text be
Computer conferencing:
reverse systems for the assessment of defendants' positions in product
Effects of
Preliminary recommendations for handling and

intelligent automobile displays 87 31 0205
intelligent interfaces 87 31 0281
intelligent support system design 87 31 0036
intelligibility 87 31 0961
interaction of bottom-up and top-down consistency in the 87 31 1044
interaction processes: electronic mail versus face-to-face 87 31 1355
Interaction Standards Committee draft proposal 87 31 0871
interactions: information, control, and mental models 87 31 0806
interactive computer graphics: perceptual and cognitive 87 31 0519
interactive multi-objective decision-aiding system for 87 31 0432
intercept control 87 31 0662
intercept operators 87 31 0386
interface 87 31 1425
interface 87 31 0125
interface On-board electronic warfare simulator 87 31 1296
interface 87 31 1321
interface complexity 87 31 0566
interface design tools 87 31 0025
interface during convergence of several software products 87 31 0710
interface in a telecommunications engineering system: 87 31 0969
interface prototyping: a review of PC-based tools and their 87 31 1082
interface requirements for remote access data bases 87 31 0973
interface requirements An approach 87 31 1411
Interface style and eclecticism: moving beyond categorical 87 31 0571
interfaces 87 31 0565*
interfaces 87 31 0281
interfaces 87 31 1000
interference and task integration: resources or preemption 87 31 0679
internal processing (UIPs) 87 31 0667
Internal trunk-loading sequence responses to lifting motions 87 31 0447
intersection test 87 31 1096
intoxication warning device 87 31 0751
Introducing and promoting human factors in the real world: 87 31 0732
Isolated work setting Team performance of a dynamic 87 31 1345
Isoperformance: trading off selection, training, and 87 31 0634
items around a single target alternative 87 31 0378
Job design and levels of physical and mental strain among 87 31 0340
job task instructions 87 31 0696
jobs in industrially developing countries A proposed 87 31 1035
judgment approaches to subjective workload assessment 87 31 1057
judgments of vehicle velocity and distance 87 31 0558
KADD) system: an evaluation 87 31 0536
Key Army decision maker concerns about training 87 31 1251
keyboard for combined one-handed and two-handed use 87 31 0585
keyboard options for mail encoding 87 31 0911
Keynote address: New technology, human performance, 87 31 0015
kneeling 87 31 0318
Knowledge-aided display design (KADD) system: an 87 31 0536
knowledge-based menu design expert system 87 31 1315
label designs 87 31 0476
Laboratory exercises in human factors at the 87 31 0302
landing 87 31 1216
landings 87 31 0233
language 87 31 0541
Layout, organization, and the effectiveness of consumer 87 31 0056
learned and further research 87 31 0937
learning 87 31 0652
Learning and preference for icon-based interface 87 31 0125
learning, and the deleterious effects of inappropriate 87 31 0289
Learning and using office automation on personal 87 31 0266
Learning hierarchical menu systems: a comparative 87 31 0978
learning support for environmental design students 87 31 0889
learning: theory and practice 87 31 1049
learning to fly a VTOL simulator An 87 31 1378
left-justified A contrast of guideline recommendations 87 31 1226
lessons learned and further research 87 31 0937
liability cases Utilization of a 87 31 0605
lifting in four restricted work postures 87 31 0462
lifting materials in underground low-coal mines 87 31 0921

Internal trunk-loading sequence responses to **lifting** motions 87 31 0447
Lifting physical work capacity as a function of frequency 87 31 1331
study Dynamic **lifting** strengths of male and female teams: a comparative 87 31 0467
An evaluation of some VDT **lighting** variables 87 31 1109
implications Capacity **limitations** in human information processing: theory and 87 31 0672*
Computer work stations: preferred posture and **line** of sight 87 31 1005
Using sensor **lines** to show control-display linkages on a four-burner stove 87 31 0581
Using sensor lines to show control-display **linkages** on a four-burner stove 87 31 0581
Computers and the elderly: a review of the **literature** and directions for future research 87 31 0866
Crew-induced **load** measurement for space operations 87 31 0800
Effects of task **loading** and time on recognition memory performance 87 31 0373
Visual inspection for multiple flaws: effects of **long-term** inspector experience 87 31 1009
Simulator-induced syndrome: evidence for **long-term** simulator aftereffects 87 31 0505
Habitability in **long-term** space missions 87 31 0803
recommendations for handling and lifting materials in underground **low-coal** mines Preliminary 87 31 0921
Five **Macintosh** tools for human factors engineering 87 31 1306
Contemporary issues for **macroergonomics** 87 31 0173
Macroergonomics: integrating organizational behavior and 87 31 0166*
Advanced manufacturing technology development: a **macroergonomics** perspective 87 31 1156
of printed circuit boards The effects of **magnification** and allowed viewing time on the inspection 87 31 1014
subjective workload assessment Absolute **magnitude** estimation and relative judgment approaches to 87 31 1057
exchange in group consensus development: face-to-face versus electronic **mail** Social 87 31 0701
Evaluation of conventional, serial, and chord keyboard options for **mail** encoding 87 31 0911
Influence of status on group interaction processes: electronic **mail** versus face-to-face discussions 87 31 1355
Isoperformance: trading off selection, training, and equipment variations to **maintain** the same level of systems performance 87 31 0634
communication The effects of an automated **maintenance** management system on organizational 87 31 1161
Determining training requirements for mechanical **maintenance** personnel 87 31 1256
and assessment Key Army decision **maker** concerns about training performance measurement 87 31 1251
affecting product warnings: an examination of the differences between **male** and female consumers Factors 87 31 0610
Dynamic lifting strengths of **male** and female teams: a comparative study 87 31 0467
program Fitting population anthropometric data to a proportional **man** model with reference to Prime Computer's SAMMIE 87 31 0325
disciplines: starting with ergonomics, organizational design, and **management** The power of systems science: the 87 31 1028
management Macroergonomics: integrating 87 31 0166*
The effects of an automated maintenance **management** system on organizational communication 87 31 1161
technology transfer to newly industrializing countries **Managerial** and personnel considerations of ergonomics of 87 31 1023
requirements An approach for specifying and **managing** submarine combat system operator interface 87 31 1411
Measured impact of a **mandated** warning on user behavior 87 31 0479
A taxonomic approach to understanding direct **manipulation** 87 31 0576
Understanding direct **manipulation** interfaces 87 31 0565*
space assembly and servicing tasks Telerobotic control of a dextrous **manipulator** using master and six-DOF hand controllers for 87 31 0791
simulator (OBEWS): designing the ground support subsystem (GSS) **man-machine** interface On-board electronic warfare 87 31 1296
The computer-aided **man-model:** a safety valve in high technology 87 31 1393
MANPRINT methods development 87 31 0621
government/industry **MANPRINT** perspectives: r&d/production and 87 31 1040*
Voice and **manual** control in dual task situations 87 31 0419
a case study Physiological stresses associated with **manual** handling of containers of varied sizes and weights: 87 31 1326
Exploratory biomechanical studies to determine worker fitness for **manual** material handling tasks 87 31 0452
mechanical-assist devices Reducing **manual** materials handling in underground coal mining with 87 31 0457
and task difficulty on dual task performance and subjective workload in a **manual** system The effect of processing code, response 87 31 0847
Perceptions of computer **manuals:** a view from the field 87 31 0139
Human-machine function allocation in **manufacturing** and assembly operations 87 31 1141
macroergonomics perspective Advanced **manufacturing** technology development: a 87 31 1156
Situational awareness in **map** displays 87 31 0533
Voice recognition technology potential for a complex **map** query system 87 31 0956
Estimating capacity equivalence curves following practice on a consistently **mapped** task 87 31 0689
and servicing tasks Telerobotic control of a dextrous manipulator using **master** and six-DOF hand controllers for space assembly 87 31 0791
Exploratory biomechanical studies to determine worker fitness for manual **material** handling tasks 87 31 0452
mechanical-assist devices Reducing manual **materials** handling in underground coal mining with 87 31 0457
Preliminary recommendations for handling and lifting **materials** in underground low-coal mines 87 31 0921
Physiological correlates of behavioral performance on the **mathematical** processing subtest of the CTS battery 87 31 0770
Industrial accidents: does age **matter** 87 31 0553
The evolution and **maturation** of operational teams in a training environment 87 31 0082
The effects of gloves on **maximum** holding time 87 31 0894
Human perception of the **maximum** safe speed of robot motions 87 31 0186
conditions Physiological data used to **measure** pilot workload in actual flight and simulator 87 31 0779
Measured impact of a mandated warning on user behavior 87 31 0479
Key Army decision maker concerns about training performance **measurement** and assessment 87 31 1251
Crew-induced load **measurement** for space operations 87 31 0800
The use of surrogate techniques for the **measurement** of team performance 87 31 0638

conditions Comparing worker perceptions to engineering **measurements** of VDT workstations and environmental 87 31 0874
Repeated **measures** battery for the aged 87 31 0852
Comparison of workload **measures** on computer-generated primary flight displays 87 31 0548
Synchronous secondary task **Measuring** pilot workload in a motion base simulator: III. 87 31 0834
during hand/arm rotation A method for **measuring** the effect of grip surface on torque production 87 31 0898
Findings in **measuring** the usage of online documentation 87 31 0224
Determining training requirements for **mechanical** maintenance personnel 87 31 1256
Reducing manual materials handling in underground coal mining with **mechanical-assist** devices 87 31 0457
A comparative assessment of computer-based **media** for presenting job task instructions 87 31 0696
A connectionist/control architecture for working **memory** and workload: why working memory is not 7 ± 2 87 31 0684
Effects of task loading and time on recognition **memory** performance 87 31 0373
new implications for complex skill training **Memory-encoding** strategies and concurrent-task practice: 87 31 0657
display aiding and contextual system training A study of the **mental** model of a complex dynamic system: the effect of 87 31 0102
Human-telerobot interactions: information, control, and **mental** models 87 31 0806
Job design and levels of physical and **mental** strain among prison officers 87 31 0340
MENUDA: a knowledge-based **menu** design expert system 87 31 1315
Comparison of horizontal and vertical **menu** formats 87 31 0715
Random versus ordered menus in self-terminating **menu** searches 87 31 0718
Time stress effects on two **menu** selection systems 87 31 0727
and pictorial formats Learning hierarchical **menu** systems: a comparative investigation of analogical 87 31 0978
MENUDA: a knowledge-based menu design expert system 87 31 1315
Optimizing visual search and cursor movement in pull-down **menus** 87 31 0722
Random versus ordered **menus** in self-terminating menu searches 87 31 0718
Airborne **message** entry by voice recognition 87 31 0424
Experiences with an integrated voice and text **message** service 87 31 0270
Operator modeling: conceptual and **methodological** distinctions 87 31 0031
System requirements development **methodology** 87 31 0625
Theoretical review of the secondary task **methodology** for evaluating intelligent automobile displays 87 31 0205
purchasing system A **methodology** for system redesign: automating an outdated 87 31 1144
Selection of visual display symbology: a new **metric** of similarity 87 31 0510
Evaluation **metrics** and a tool for control panel design 87 31 1123
Microcomputer human operator simulator (HOS-IV) 87 31 1179
Instruction for **military** air intercept control 87 31 0662
recommendations for handling and lifting materials in underground low-coal **mines** Preliminary 87 31 0921
determine the frequency and cause of injury accidents in underground **mining** Research to 87 31 0926
Demographics profile and safety aspects pertaining to the **mining** population 87 31 0920*
Reducing manual materials handling in underground coal **mining** with mechanical-assist devices 87 31 0457
Do identical circumstances precede **minor** and major injuries 87 31 0200
The case of the **missing** human factors data 87 31 1042*
An interactive multi-objective decision-aiding system for tactical **mission** planning 87 31 0432
Habitability in long-term space **missions** 87 31 0803
performance The effects of **modality** and stress across task type on human 87 31 0514
workload in a manual system The effect of processing code, response **modality,** and task difficulty on dual task performance and 87 31 0847
correlates of employee health in offices: a proposed **model** Environmental, psychological, and organizational 87 31 0736
Human-centered design and analysis **model** for chemical defense shelters 87 31 1166
A contrast of guideline recommendations and Tullis's prediction **model** for computer displays: should text be left-justified 87 31 1226
STALL: a simple **model** for workload analysis in early system development 87 31 0363
aiding and contextual system training A study of the mental **model** of a complex dynamic system: the effect of display 87 31 0102
movements A **model** of human reaction time to dangerous robot arm 87 31 0191
An axiomatic **model** of information presentation 87 31 1229
data entry jobs in industrially developing countries A proposed **model** to facilitate the ergonomic implementation of 87 31 1035
Application of Tullis's visual search **model** to highlighted and non-highlighted tabular displays 87 31 1221
program Fitting population anthropometric data to a proportional man **model** with reference to Prime Computer's SAMMIE 87 31 0325
Integrated operator-plant process **modeling** and decision support for allocation of function 87 31 0815
improvement Function **modeling** applied to human factors engineering productivity 87 31 0741
of users Empirical user **modeling:** command usage analyses for deriving models 87 31 0041
Operator **modeling:** conceptual and methodological distinctions 87 31 0031
Human-telerobot interactions: information, control, and mental **models** 87 31 0806
Similarities and differences in the implicit causal **models** of faculty and students 87 31 0293
Two **models** of user assistance 87 31 0046
Empirical user modeling: command usage analyses for deriving **models** of users 87 31 0041
Applying human factors in anesthesia **monitoring** 87 31 0988
Development of a test battery and rating scale for **Morse** intercept operators 87 31 0386
Measuring pilot workload in a **motion** base simulator: III. Synchronous secondary task 87 31 0834
uneasiness in a driving simulator Effects of visual display and **motion** system delays on operator performance and 87 31 0492
Internal trunk-loading sequence responses to lifting **motions** 87 31 0447
Human perception of the maximum safe speed of robot **motions** 87 31 0186
Fine **motor** control with CBR protective gloves 87 31 1206
Perceptual and **motor** determinants of efficient data entry 87 31 0820

Optimizing visual search and cursor **movement** in pull-down menus 87 31 0722
A model of human reaction time to dangerous robot arm **movements** 87 31 0191
Interface style and eclecticism: **moving** beyond categorical approaches 87 31 0571
digital and configural display representations Classification of **multidimensional** data under time constraints: evaluating 87 31 0116
structure of state categories: an individual differences analysis **Multidimensional** scaling as a method for probing for 87 31 0107
technique (SWAT) ratings of the criterion task set (CTS) A **multidimensional** scaling analysis of subjective workload 87 31 0398
and display integrality Visual display representation of **multidimensional** systems: the effect of system structure 87 31 0112
Multi-factor evaluation of tactical planning aids 87 31 0218
planning An interactive **multi-objective** decision-aiding system for tactical mission 87 31 0432
Visual inspection for **multiple** flaws: effects of long-term inspector experience 87 31 1009
response sequence: a new description of human sampling behavior with **multiple** independent sources The development of a 87 31 0151
recommending federal standards Behavioral effects of **multiple** SCBA stressors: safety research for 87 31 0931
alternative The effect of constructing **multiple-choice** distractor items around a single target 87 31 0378
spectrum **Muscle** strength assessment from the EMG frequency 87 31 0310
Effect of **music** on performance in human-computer interface 87 31 1321
Handgrip strength with the bare hand and in the **NASA** spacesuit glove 87 31 0786
Simulator sickness research program at **NASA-Ames** Research Center 87 31 0502
Human factors considerations for enhancing performance in the **Naval** airship 87 31 0410
A comparison of hardcopy and expert system presentation of **network** operator assistance guides 87 31 0706
Speech discrimination in **noise:** the influence of hearing protection 87 31 1246
Application of Tullis's visual search model to highlighted and **non-highlighted** tabular displays 87 31 1221
human factors data Use of infrared telemetry as part of a **nonintrusive** inflight data collection system to collect 87 31 0796
Flight simulation training using standard and **non-standard** tasks 87 31 1291
of the severely disabled A **norm-independent** technique for assessing physical ability 87 31 0862
Process control: safety issues and answers in Sweden and **Norway** 87 31 1243
Cockpit automation concept development for the **NUH-60** (STAR) aircraft 87 31 1383
man-machine interface On-board electronic warfare simulator (**OBEWS):** designing the ground support subsystem (GSS) 87 31 1296
Estimating positions and speeds of **objects** on the CRT after the screen goes blank 87 31 1202
Online process **observation** 87 31 0951
Human factors in the People's Republic of China: some **observations** based on a faculty exchange program 87 31 0298
Occupant perception of the work environment 87 31 1105
An evaluation of **office** automation 87 31 1151
application Learning and using **office** automation on personal computers: a voice/phone 87 31 0266
A field evaluation of **office** chairs 87 31 1121
Job design and levels of physical and mental strain among prison **officers** 87 31 0340
psychological, and organizational correlates of employee health in **offices:** a proposed model Environmental, 87 31 0736
Illumination levels in **offices** with visual display units 87 31 1113
Is selective screening of **older** drivers for vision feasible 87 31 0562
the ground support subsystem (GSS) **On-board** electronic warfare simulator (OBEWS): designing 87 31 1296
Optimizing a portable terminal keyboard for combined **one-handed** and two-handed use 87 31 0585
intelligent support system design Providing **on-line** advice for a dynamic control task: a case study in 87 31 0036
Findings in measuring the usage of **online** documentation 87 31 0224
Online process observation 87 31 0951
Prediction of personnel requirements for system **operation** 87 31 0358
Team development in **operational** team training systems 87 31 0081*
The evolution and maturation of **operational** teams in a training environment 87 31 0082
Changes in team behaviors during **operational** training 87 31 0092
Human-machine function allocation in manufacturing and assembly **operations** 87 31 1141
Crew-induced load measurement for space **operations** 87 31 0800
A comparison of hardcopy and expert system presentation of network **operator** assistance guides 87 31 0706
An approach for specifying and managing submarine combat system **operator** interface requirements 87 31 1411
distinctions **Operator** modeling: conceptual and methodological 87 31 0031
Effects of visual display and motion system delays on **operator** performance and uneasiness in a driving simulator 87 31 0492
Microcomputer human **operator** simulator (HOS-IV) 87 31 1179
Analytic techniques for the assessment of **operator** workload 87 31 0368
allocation of function Integrated **operator-plant** process modeling and decision support for 87 31 0815
Development of a test battery and rating scale for Morse intercept **operators** 87 31 0386
The **optimism** bias and traffic safety 87 31 0756
one-handed and two-handed use **Optimizing** a portable terminal keyboard for combined 87 31 0585
pull-down menus **Optimizing** visual search and cursor movement in 87 31 0722
Evaluation of conventional, serial, and chord keyboard **options** for mail encoding 87 31 0911
Alphabet soup: case and **order** in index search 87 31 0130
Random versus **ordered** menus in self-terminating menu searches 87 31 0718
warnings Layout, **organization,** and the effectiveness of consumer product 87 31 0056
Organization: critical for holistic processing 87 31 0529
organizational design and management Macroergonomics: integrating **organizational** behavior and human factors approaches to 87 31 0166*
The effects of an automated maintenance management system on **organizational** communication 87 31 1161
proposed model Environmental, psychological, and **organizational** correlates of employee health in offices: a 87 31 0736
partnership Structure of domination, **organizational** culture, and the facilitation of feelings in the 87 31 0330

integrating organizational behavior and human factors approaches to
variable The evolution of
information from individual disciplines: starting with ergonomics,
challenges for the future of human factors Achievement of
understanding Dependence of technology transfer on
The development of a spatial
vibration Investigation into the
Heart rate averages as workload/fatigue indicators during
Are we boxing
A methodology for system redesign: automating an
Evaluation metrics and a tool for control
The role of temporal
Cultural perspectives in
Cultural context and development of
domination, organizational culture, and the facilitation of feelings in the
control task
Designing airline
User interface prototyping: a review of
a faculty exchange program Human factors in the
Consumer products: how are the hazards
A method for correcting biases in risk
Human
Occupant
signaling technology Callers'
differences male and female consumers Factors affecting consumers'
workstations and environmental conditions Comparing worker
Empirical studies of interactive computer graphics:
performance Work rhythm and breathing rhythm in a repetitive
High performance cognitive skill acquisition:
training, and equipment variations to maintain the same level of systems
Effects of task loading and time on recognition memory
Impact of human performance on system
Aging and skilled
The use of surrogate techniques for the measurement of team
The effects of modality and stress across task type on human
repetitive perceptual-motor task: the effects of synchronization on
A confirmatory factor-analytic investigation of time-sharing
The effect of processing code, difficulty on dual task
seeking and stimulus screening Relationship between criterion task set
Keynote address: New technology, human
Effects of visual display and motion system delays on operator
Driving
Signal detection
A theory of human
learning High
Subjective workload under individual and team
Evaluation of algorithms for combining independent data sets in a human
Effects of cooling and flavoring drinking water on psychological
A study of human
Stopping
Effect of music on
Human factors considerations for enhancing
Key Army decision maker concerns about training
comparison of shared versus isolated work setting Team
Impact of human
the CTS battery Physiological correlates of behavioral
versus dual task Complex task
Learning and using office automation on
screening Relationship between criterion task set performance and the
Determining training requirements for mechanical maintenance
transfer to newly industrializing countries Managerial and
Prediction of
Advanced manufacturing technology development: a macroergonomics
Cultural

organizational design and management Macroergonomics: 87 31 0166*
organizational design from independent to dependent 87 31 0168
organizational design, and management The power of 87 31 1028
Organizational effectiveness of computer-aided design 87 31 0214
organizational effectiveness: success cases and 87 31 1234*
organizational issues: awareness is the first step to 87 31 1030
orientation task for inclusion in the criterion task set (CTS) 87 31 0394
oscillatory behavior of the spinal column under whole body 87 31 0307
OT&E 87 31 0784
ourselves in with the UIMS box 87 31 0022
outdated purchasing system 87 31 1144
panel design 87 31 1123
parameters in recall of synthetic speech 87 31 0966
participatory ergonomics 87 31 1019
partnership 87 31 0335
partnership Structure of 87 31 0330
Part-task versus whole-task training on a supervisory 87 31 1365
passenger safety cards 87 31 0051
PC-based tools and their features 87 31 1082
People's Republic of China: some observations based on 87 31 0298
perceived 87 31 0615
perception 87 31 0484
perception of the maximum safe speed of robot motions 87 31 0186
perception of the work environment 87 31 1105
Perceptions of computer manuals: a view from the field 87 31 0139
perceptions of post-dialing delays: the effects of a new 87 31 0275
perceptions of product warnings: an examination of 87 31 0610
perceptions to engineering measurements of VDT 87 31 0874
perceptual and cognitive issues 87 31 0519
Perceptual and motor determinants of efficient data entry 87 31 0820
Perceptual learning: theory and practice 87 31 1049
perceptual-motor task: the effects of synchronization on 87 31 1336
perceptual/rule learning 87 31 0652
performance Isoperformance: trading off selection, 87 31 0634
performance 87 31 0373
performance 87 31 0620*
performance 87 31 0021*
performance 87 31 0638
performance 87 31 0514
performance Work rhythm and breathing rhythm in a 87 31 1336
performance and cognitive abilities 87 31 1062
Performance and QWL in a data entry task 87 31 1350
performance and subjective workload in a manual 87 31 0847
performance and personality variables of sensation 87 31 0402
performance, and transportation system safety 87 31 0015
performance and uneasiness in a driving simulator 87 31 0492
performance as a function of time on the road 87 31 0766
performance as a function of Fourier description of symbols 87 31 1198
performance assessment 87 31 0629
performance cognitive skill acquisition: perceptual/rule 87 31 0652
performance conditions 87 31 0067
performance expert system 87 31 0811
performance in a hot environment 87 31 0825
performance in a sewing task 87 31 0590
performance in familiar and unfamiliar vehicles 87 31 0762
performance in human-computer interface 87 31 1321
performance in the Naval airship 87 31 0410
performance measurement and assessment 87 31 1251
performance of a dynamic resource allocation task: 87 31 1345
performance on system performance 87 31 0620*
performance on the mathematical processing subtest of 87 31 0770
performance under speed-accuracy tradeoff: single task 87 31 0161
personal computers: a voice/phone application 87 31 0266
personality variables of sensation seeking and stimulus 87 31 0402
personnel 87 31 1256
personnel considerations of ergonomics of technology 87 31 1023
personnel requirements for system operation 87 31 0358
perspective 87 31 1156
perspectives in participatory ergonomics 87 31 1019

MANPRINT **perspectives:** r&d/production and government/industry 87 31 1040*
A norm-independent technique for assessing **physical** ability of the severely disabled 87 31 0862
Job design and levels of **physical** and mental strain among prison officers 87 31 0340
Lifting **physical** work capacity as a function of frequency 87 31 1331
Evaluating a spatial task: behavioral, subjective, and **physiological** correlates 87 31 0774
mathematical processing subtest of the CTS battery **Physiological** correlates of behavioral performance on the 87 31 0770
actual flight and simulator conditions **Physiological** data used to measure pilot workload in 87 31 0779
containers of varied sizes and weights: a case study **Physiological** stresses associated with manual handling of 87 31 1326
Pictorial format displays for two-seat fighter-attack aircraft 87 31 1072
hierarchical menu systems: a comparative investigation of analogical and **pictorial** formats Learning 87 31 0978
A componential analysis of **pilot** decision-making 87 31 0842
Further investigation of contrast sensitivity and visual acuity in **pilot** detection of aircraft 87 31 1189
secondary task Measuring **pilot** workload in a motion base simulator: III. Synchronous 87 31 0834
Physiological data used to measure **pilot** workload in actual flight and simulator conditions 87 31 0779
Quantifying some information-processing requirements of the **pilot's** instrument crosscheck 87 31 1301
Information transfer in **pilots'** use of a collision avoidance system 87 31 0428
Eye and head displacement to targets fixated in the vertical and horizontal **planes** 87 31 0243
An interactive multi-objective decision-aiding system for tactical mission **planning** 87 31 0432
Human factors engineering **planning** aid 87 31 0350
Multi-factor evaluation of tactical **planning** aids 87 31 0218
Human factors in education: strategic **planning** for the future 87 31 0746
Demographics profile and safety aspects pertaining to the mining **population** 87 31 0920*
model reference to Prime Computer's SAMMIE program Fitting **population** anthropometric data to a proportional man 87 31 0325
two-handed use Optimizing a **portable** terminal keyboard for combined one-handed and 87 31 0585
screen goes blank Estimating **positions** and speeds of objects on the CRT after the 87 31 1202
reverse systems engineering approach for the assessment of defendants' **positions** in product liability cases Utilization of a 87 31 0605
technology Callers' perceptions of **post-dialing** delays: the effects of a new signaling 87 31 0275
A **post-occupancy** evaluation of an award winner 87 31 0884
psychometric scaling techniques An examination of projective versus **post-task** subjective workload ratings for three 87 31 0077
Task, seat adjustability, and **postural** change 87 31 0879
Postural disequilibrium following training flight 87 31 0488
Computer work stations: preferred **posture** and line of sight 87 31 1005
Effects of lifting in four restricted work **postures** 87 31 0462
Voice recognition technology **potential** for a complex map query system 87 31 0956
ergonomics, organizational design, and management The **power** of systems science: the synthesis of information 87 31 1028
Practical workload assessment in the development process 87 31 1408
Perceptual learning: theory and **practice** 87 31 1049
Memory-encoding strategies and concurrent-task **practice:** new implications for complex skill training 87 31 0657
Estimating capacity equivalence curves following **practice** on a consistently mapped task 87 31 0689
Do identical circumstances **precede** minor and major injuries 87 31 0200
data Quantifying the **precision** of biomechanical calculations using experimental 87 31 0315
left-justified A contrast of guideline recommendations and Tullis's **prediction** model for computer displays: should text be 87 31 1226
Prediction of personnel requirements for system operation 87 31 0358
Contrast sensitivity as a **predictor** of complex target detection 87 31 1194
Cross-modal interference and task integration: resources or **preemption** switching 87 31 0679
Learning and **preference** for icon-based interface 87 31 0125
Computer work stations: **preferred** posture and line of sight 87 31 1005
materials in underground low-coal mines **Preliminary** recommendations for handling and lifting 87 31 0921
An axiomatic model of information **presentation** 87 31 1229
Presidential address: Comments on products safety 87 31 0001
Successful implementation of an injury **prevention** program 87 31 1138
Comparison of workload measures on computer-generated **primary** flight displays 87 31 0548
anthropometric data to a proportional man model with reference to **Prime** Computer's SAMMIE program Fitting population 87 31 0325
The effects of magnification and allowed viewing time on the inspection of **printed** circuit boards 87 31 1014
Job design and levels of physical and mental strain among **prison** officers 87 31 0340
Stimulus **probability,** surprise, and reaction time 87 31 0147
individual differences analysis Multidimensional scaling as a method for **probing** for conceptual structure of state categories: an 87 31 0107
Practical workload assessment in the development **process** 87 31 1408
Norway **Process** control: safety issues and answers in Sweden and 87 31 1243
function Integrated operator-plant **process** modeling and decision support for allocation of 87 31 0815
Online **process** observation 87 31 0951
investigation into the relative effects of alcohol on various human behavioral **processes** An integrated 87 31 0830
Cognitive **processes** during instrument landing 87 31 1216
Influence of status on group interaction **processes:** electronic mail versus face-to-face discussions 87 31 1355
Instructional **processes** in team training 87 31 0087
Organization: critical for holistic **processing** 87 31 0529
performance and subjective workload in a manual system The effect of **processing** code, response modality, and task difficulty on 87 31 0847
Physiological correlates of behavioral performance on the mathematical **processing** subtest of the CTS battery 87 31 0770
Capacity limitations in human information **processing:** theory and implications 87 31 0672*

view A human information
Applications of automatic/control
Automatic
The search for underlying internal
Consumer behavior considerations in
engineering approach for the assessment of defendants' positions in
Layout, organization, and the effectiveness of consumer
male and female consumers Factors affecting consumers' perceptions of
A method for measuring the effect of grip surface on torque
Function modeling applied to human factors engineering
Reworking the user interface during convergence of several software
Consumer
Presidential address: Comments on
population Demographics
China: some observations based on a faculty exchange
Successful implementation of an injury prevention
to a proportional man model with reference to Prime Computer's SAMMIE
Simulator sickness research
Implementation of a shared human factors support
three psychometric scaling techniques An examination of
Accident
Computer's SAMMIE program Fitting population anthropometric data to a
Society Human-Computer Interaction Standards Committee draft
psychological, and organizational correlates of employee health in offices: a
VDT-based data entry jobs in industrially developing countries A
Speech discrimination in noise: the influence of hearing
Fine motor control with CBR
A
User interface
Rapid-software for
health in offices: a proposed model Environmental,
Effects of cooling and flavoring drinking water on
projective versus post-task subjective workload ratings for three
Optimizing visual search and cursor movement in

A methodology for system redesign: automating an outdated
the pilot's instrument crosscheck
using experimental data
Analysis of
indicators: integration benefits A comparison of shape/object displays,
Voice recognition technology potential for a complex map
Adaptive
Performance and
display technology
searches

Heart
Development of a test battery and
The effect of experience on subjective
An examination of projective versus post-task subjective workload
A scaling analysis of subjective workload assessment technique (SWAT)
MANPRINT perspectives:
Stimulus probability, surprise, and
A model of human
Introducing and promoting human factors in the
The role of temporal parameters in
Airborne message entry by voice
Effects of task loading and time on
system Voice
computer displays: should text be left-justified A contrast of guideline
underground low-coal mines Preliminary
Behavioral effects of multiple SCBA stressors: safety research for
Advanced head-up display (HUD) symbology: aiding unusual attitude
A methodology for system
mining with mechanical-assist devices
personality variables of sensation seeking
User-computer interface requirements for

Context,

processing theory of skill acquisition: a training systems 87 31 0643
processing theory to complex tasks: an encouraging look 87 31 0674
processing through the back door 87 31 1054
processing (UIPs) 87 31 0667
product design 87 31 1236
product liability cases Utilization of a reverse systems 87 31 0605
product warnings 87 31 0056
product warnings: an examination of the differences 87 31 0610
production during hand/arm rotation 87 31 0898
productivity improvement 87 31 0741
products 87 31 0710
products: how are the hazards perceived 87 31 0615
products safety 87 31 0001
profile and safety aspects pertaining to the mining 87 31 0920*
program Human factors in the People's Republic of 87 31 0298
program 87 31 1138
program Fitting population anthropometric data 87 31 0325
program at NASA-Ames Research Center 87 31 0502
program between academia and industry 87 31 0285
projective versus post-task subjective workload ratings for 87 31 0077
proneness in the industrial setting 87 31 0196
proportional man model with reference to Prime 87 31 0325
proposal Human Factors 87 31 0871
proposed model Environmental, 87 31 0736
proposed model to facilitate the ergonomic implementation 87 31 1035
protection 87 31 1246
protective gloves 87 31 1206
prototype taxonomy of training device visual systems 87 31 0238
prototyping: a review of PC-based tools and their features 87 31 1082
prototyping user interfaces 87 31 1000
psychological, and organizational correlates of employee 87 31 0736
psychological performance in a hot environment 87 31 0825
psychometric scaling techniques An examination of 87 31 0077
pull-down menus 87 31 0722
Pull-tear strength capabilities in adults 87 31 0993
purchasing system 87 31 1144
Quantifying some information-processing requirements of 87 31 1301
Quantifying the precision of biomechanical calculations 87 31 0315
quantitative data derived from computer conferencing 87 31 0946
quasi-shape displays, and conventional univariate 87 31 0543
query system 87 31 0956
questionnaire applications 87 31 0382
QWL in a data entry task 87 31 1350
Raising control/display efficiency with rapid communication 87 31 0258
Random versus ordered menus in self-terminating menu 87 31 0718
Rapid-software for prototyping user interfaces 87 31 1000
rate averages as workload/fatigue indicators during OT&E 87 31 0784
rating scale for Morse intercept operators 87 31 0386
ratings for aircraft and simulator workload during IFR flight 87 31 0838
ratings for three psychometric scaling techniques 87 31 0077
ratings of the criterion task set (CTS) 87 31 0398
r&d/production and government/industry 87 31 1040*
reaction time 87 31 0147
reaction time to dangerous robot arm movements 87 31 0191
real world: a case study 87 31 0732
recall of synthetic speech 87 31 0966
recognition 87 31 0424
recognition memory performance 87 31 0373
recognition technology potential for a complex map query 87 31 0956
recommendations and Tullis's prediction model for 87 31 1226
recommendations for handling and lifting materials in 87 31 0921
recommending federal standards 87 31 0931
recovery 87 31 1067
redesign: automating an outdated purchasing system 87 31 1144
Reducing manual materials handling in underground coal 87 31 0457
Relationship between criterion task set performance and 87 31 0402
remote access data bases 87 31 0973
Repeated measures battery for the aged 87 31 0852
repetition, and synthesized speech intelligibility 87 31 0961

synchronization on performance Work rhythm and breathing rhythm in a 87 31 1336
system structure and display integrality Visual display 87 31 0112
under time constraints: evaluating digital and configural display 87 31 0116
Comparing three-dimensional 87 31 1174
specifying and managing submarine combat system operator interface 87 31 1411
isolated work setting Team performance of a dynamic 87 31 1345
tracking: displays, controls, and dynamics 87 31 1211
Cross-modal interference and task integration: 87 31 0679
and subjective workload in a manual system The effect of processing code, 87 31 0847
behavior with multiple independent sources The development of a 87 31 0151
The globe thermometer 87 31 1341
Internal trunk-loading sequence 87 31 0447
Effects of lifting in four 87 31 0462
The effects of different data base formats on information 87 31 0983
of defendants' positions in product liability cases Utilization of a 87 31 0605
several software products 87 31 0710
effects of synchronization on performance Work 87 31 1336
If controls in the catalogs just won't do, then top-down design is 87 31 0997
Army training via computer conferencing: an empirical evaluation of a 87 31 0936*
A method for correcting biases in 87 31 0484
Driving performance as a function of time on the 87 31 0766
A model of human reaction time to dangerous 87 31 0191
Human perception of the maximum safe speed of 87 31 0186
Ergonomic considerations in 87 31 0181
and development of HF-related safety designs for industrial robots and 87 31 0176
Toward a new approach to vision: applications to 87 31 1281
Assessment and development of HF-related safety designs for industrial 87 31 0176
The 87 31 0966
computer system The 87 31 1147
Induced 87 31 0263
measuring the effect of grip surface on torque production during hand/arm 87 31 0898
Human perception of the maximum 87 31 0186
address: New technology, human performance, and transportation system 87 31 0015
Presidential address: Comments on products 87 31 0001
The optimism bias and traffic 87 31 0756
Ergonomic considerations in robot selection and 87 31 0181
All-terrain vehicles: a human factors and 87 31 0760
87 31 1241
Demographics profile and 87 31 0920*
Designing airline passenger 87 31 0051
Assessment and development of HF-related 87 31 0176
Process control: 87 31 1243
Behavioral effects of multiple SCBA stressors: 87 31 0931
The computer-aided man-model: a 87 31 1393
to a proportional man model with reference to Prime Computer's 87 31 0325
The development of a response sequence: a new description of human 87 31 0151
Development of a test battery and rating 87 31 0386
technique (SWAT) ratings of the criterion task set (CTS)A multidimensional 87 31 0398
state categories: an individual differences analysis Multidimensional 87 31 0107
The effects of seam height, scaling method, and bar weight distribution on 87 31 0471
post-task subjective workload ratings for three psychometric 87 31 0077
Comparing three-dimensional representations of data to 87 31 1174
standards Behavioral effects of multiple 87 31 0931
87 31 0916
disciplines: starting with ergonomics The power of systems 87 31 1028
Estimating positions and speeds of objects on the CRT after the 87 31 1202
between criterion task set performance and personality variables 87 31 0402
Is selective 87 31 0562
Incorporating human engineering into a 87 31 1170
scaling effectiveness and electromyographic activity The effects of 87 31 0471
Alphabet soup: case and order in index 87 31 0130
Optimizing visual 87 31 0722
The influence of color on visual 87 31 1271
The 87 31 0667
displays Application of Tullis's visual 87 31 1221
displays Highlighting and 87 31 0524
Random versus ordered menus in self-terminating menu 87 31 0718
Task, 87 31 0879
Safety and 87 31 1241

repetitive perceptual-motor task: the effects of
representation of multidimensional systems: the effect of
representations Classification of multidimensional data
representations of data to scatterplots
requirements An approach for
resource allocation task: comparison of shared versus
Resources, confusions, and compatibility in dual axis
resources or preemption switching
response modality, and task difficulty on dual task
response sequence: a new description of human sampling
response under varying thermal components
responses to lifting motions
restricted work postures
retrieval
reverse systems engineering approach for the assessment
Reworking the user interface during convergence of
rhythm and breathing rhythm in a repetitive task: the
right for you
rising technology—report of year one Delivery of
risk perception
road
robot arm movements
robot motions
robot selection and safety
robotic systems Assessment
robots and humans
robots and robotic systems
role of temporal parameters in recall of synthetic speech
role of the human factors designer in an integrated
roll vection from stimulation of the central visual field
rotation A method for
safe speed of robot motions
safety Keynote
safety
safety
safety
safety analysis
Safety and seat constraints for a turreted weapon system
safety aspects pertaining to the mining population
safety cards
safety designs for industrial robots and robotic systems
safety issues and answers in Sweden and Norway
safety research for recommending federal standards
safety valve in high technology
SAMMIE program Fitting population anthropometric data
sampling behavior with multiple independent sources
scale for Morse intercept operators
scaling analysis of subjective workload assessment
scaling as a method for probing for conceptual structure of
scaling effectiveness and electromyographic activity
scaling techniques An examination of projective versus
scatterplots
SCBA stressors: safety research for recommending federal
Scenario analyses of finger injuries in industrial accidents
science: the synthesis of information from individual
screen goes blank
screening Relationship
screening of older drivers for vision feasible
SDI simulation
seam height, scaling method, and bar weight distribution on
search
search and cursor movement in pull-down menus
search and subjective discomfort using CRT displays
search for underlying internal processing (UIPs)
search model to highlighted and non-highlighted tabular
search strategy considerations in computer-generated
searches
seat adjustability, and postural change
seat constraints for a turreted weapon system

Measuring pilot workload in a motion base simulator: III. Synchronous **secondary** task 87 31 0834
automobile displays Theoretical review of the **secondary** task methodology for evaluating intelligent 87 31 0205
criterion task set performance and the personality variables of sensation **seeking** and stimulus screening Relationship between 87 31 0402
Ergonomic considerations in robot **selection** and safety 87 31 0181
similarity **Selection** of visual display symbology: a new metric of 87 31 0510
Time stress effects on two menu **selection** systems 87 31 0727
the same level of systems performance Isoperformance: trading off **selection,** training, and equipment variations to maintain 87 31 0634
Is **selective** screening of older drivers for vision feasible 87 31 0562
Random versus ordered menus in **self-terminating** menu searches 87 31 0718
between criterion task set performance and the personality variables of **sensation** seeking and stimulus screening Relationship 87 31 0402
Further investigation of contrast **sensitivity** and visual acuity in pilot detection of aircraft 87 31 1189
Contrast **sensitivity** as a predictor of complex target detection 87 31 1194
four-burner stove Using **sensor** lines to show control-display linkages on a 87 31 0581
with multiple independent sources The development of a response **sequence:** a new description of human sampling behavior 87 31 0151
Internal trunk-loading **sequence** responses to lifting motions 87 31 0447
Evaluation of conventional, **serial,** and chord keyboard options for mail encoding 87 31 0911
Experiences with an integrated voice and text message **service** 87 31 0270
using master and six-DOF hand controllers for space assembly and **servicing** tasks Telerobotic control of a dextrous 87 31 0791
Factor structure of the criterion task **set** 87 31 0389
The criterion task **set:** an updated battery 87 31 0405
development of a spatial orientation task for inclusion in the criterion task **set** (CTS) The 87 31 0394
seeking and stimulus screening Relationship between criterion task **set** performance and the personality variables of sensation 87 31 0402
Evaluation of algorithms for combining independent data **sets** in a human performance expert system 87 31 0811
allocation task: comparison of shared versus isolated work **setting** Team performance of a dynamic resource 87 31 1345
Accident proneness in the industrial **setting** 87 31 0196
A norm-independent technique for assessing physical ability of the **severely** disabled 87 31 0862
A study of human performance in a **sewing** task 87 31 0590
conventional univariate indicators: integration benefits A comparison of **shape/object** displays, quasi-shape displays, and 87 31 0543
and industry Implementation of a **shared** human factors support program between academia 87 31 0285
Team performance of a dynamic resource allocation task: comparison of **shared** versus isolated work setting 87 31 1345
Human-centered design and analysis model for chemical defense **shelters** 87 31 1166
Simulator design features for helicopter **shipboard** landings 87 31 0233
Step tracking **shrinking** targets 87 31 0248
Visual display factors contributing to simulator **sickness** 87 31 0497
Center Simulator **sickness** research program at NASA-Ames Research 87 31 0502
The human **side** of technology 87 31 0061*
Computer work stations: preferred posture and line of **sight** 87 31 1005
description of symbols **Signal** detection performance as a function of Fourier 87 31 1198
Callers' perceptions of post-dialing delays: the effects of a new **signaling** technology 87 31 0275
faculty and students **Similarities** and differences in the implicit causal models of 87 31 0293
Selection of visual display symbology: a new metric of **similarity** 87 31 0510
Incorporating human engineering into a SDI **simulation** 87 31 1170
Three-dimensional auditory cue **simulation** for crew station design/evaluation 87 31 1398
Human factors **simulation** to support software design 87 31 1416
Flight **simulation** training using standard and non-standard tasks 87 31 1291
basic attributes test battery and learning to fly a VTOL **simulator** An investigation of the relationship between a 87 31 1378
system delays on operator performance and uneasiness in a driving **simulator** Effects of visual display and motion 87 31 0492
Simulator-induced syndrome: evidence for long-term **simulator** aftereffects 87 31 0505
Physiological data used to measure pilot workload in actual flight and **simulator** conditions 87 31 0779
control of heading and altitude The effects of **simulator** delays on the acquisition of flight control skills: 87 31 1286
Simulator design features for helicopter shipboard landings 87 31 0233
Microcomputer human operator **simulator** (HOS-IV) 87 31 1179
Measuring pilot workload in a motion base **simulator:** III. Synchronous secondary task 87 31 0834
subsystem (GSS) man-machine interface On-board electronic warfare **simulator** (OBEWS): designing the ground support 87 31 1296
Visual display factors contributing to **simulator** sickness 87 31 0497
Research Center **Simulator** sickness research program at NASA-Ames 87 31 0502
The effect of experience on subjective ratings for aircraft and **simulator** workload during IFR flight 87 31 0838
simulator aftereffects **Simulator-induced** syndrome: evidence for long-term 87 31 0505
The effect of constructing multiple-choice distractor items around a **single** target alternative 87 31 0378
Complex task performance under speed-accuracy tradeoff: **single** task versus dual task 87 31 0161
conditions Distributed **situation** assessment under varying environmental 87 31 1360
Situational awareness in map displays 87 31 0533
Voice and manual control in dual task **situations** 87 31 0419
tasks Telerobotic control of a dextrous manipulator using master and **six-DOF** hand controllers for space assembly and servicing 87 31 0791
stresses associated with manual handling of containers of varied **sizes** and weights: a case study Physiological 87 31 1326
Dorsiflexion of the human ankle as it relates to **ski** boot design in downhill skiing 87 31 1128
Cognitive **skill** acquisition: a developmental approach 87 31 0857
A human information processing theory of **skill** acquisition: a training systems view 87 31 0643
High performance cognitive **skill** acquisition: perceptual/rule learning 87 31 0652

strategies and concurrent-task practice: new implications for complex **skill** training Memory-encoding 87 31 0657
Aging and **skilled** performance 87 31 0021*
of bottom-up and top-down consistency in the development of **skills** The interaction 87 31 1044
The effects of simulator delays on the acquisition of flight control **skills:** control of heading and altitude 87 31 1286
face-to-face versus electronic mail **Social** exchange in group consensus development: 87 31 0701
Committee draft proposal Human Factors **Society** Human-Computer Interaction Standards 87 31 0871
Human factors simulation to support **software** design 87 31 1416
Reworking the user interface during convergence of several **software** products 87 31 0710
Failure to identify "identifiable" **sounds** 87 31 0144
Alphabet **soup:** case and order in index search 87 31 0130
of a dextrous manipulator using master and six-DOF hand controllers for **space** assembly and servicing tasks Telerobotic control 87 31 0791
Habitability in long-term **space** missions 87 31 0803
Crew-induced load measurement for **space** operations 87 31 0800
Handgrip strength with the bare hand and in the NASA **spacesuit** glove 87 31 0786
(CTS) The development of a **spatial** orientation task for inclusion in the criterion task set 87 31 0394
correlates Evaluating a **spatial** task: behavioral, subjective, and physiological 87 31 0774
An evaluation of methods for producing **specific** colors on CRTs 87 31 1276
Use of structured development techniques to **specify** the user-system interface 87 31 1425
operator interface requirements An approach for **specifying** and managing submarine combat system 87 31 1411
Muscle strength assessment from the EMG frequency **spectrum** 87 31 0310
The role of temporal parameters in recall of synthetic **speech** 87 31 0966
protection **Speech** discrimination in noise: the influence of hearing 87 31 1246
Context, repetition, and synthesized **speech** intelligibility 87 31 0961
Human perception of the maximum safe **speed** of robot motions 87 31 0186
Complex task performance under **speed-accuracy** tradeoff: single task versus dual task 87 31 0161
Estimating positions and **speeds** of objects on the CRT after the screen goes blank 87 31 1202
Investigation into the oscillatory behavior of the **spinal** column under whole body vibration 87 31 0307
system development **STALL:** a simple model for workload analysis in early 87 31 0363
Flight simulation training using **standard** and non-standard tasks 87 31 1291
multiple SCBA stressors: safety research for recommending federal **standards** Behavioral effects of 87 31 0931
Human Factors Society Human-Computer Interaction **Standards** Committee draft proposal 87 31 0871
Cockpit automation concept development for the NUH-60 (**STAR)** aircraft 87 31 1383
management The power of systems science: the synthesis of information: **starting** with ergonomics, organizational design, and 87 31 1028
Multidimensional scaling as a method for probing for conceptual structure of **state** categories: an individual differences analysis 87 31 0107
Three-dimensional auditory cue simulation for crew **station** design/evaluation 87 31 1398
Computer work **stations:** preferred posture and line of sight 87 31 1005
technology transfer on organizational issues: awareness is the first **step** to understanding Dependence of 87 31 1030
Step tracking shrinking targets 87 31 0248
Induced roll vection from **stimulation** of the central visual field 87 31 0263
Stimulus probability, surprise, and reaction time 87 31 0147
task set performance and the personality variables of sensation seeking and **stimulus** screening Relationship between criterion 87 31 0402
Stopping performance in familiar and unfamiliar vehicles 87 31 0762
Using sensor lines to show control-display linkages on a four-burner **stove** 87 31 0581
Job design and levels of physical and mental **strain** among prison officers 87 31 0340
Human factors in education: **strategic** planning for the future 87 31 0746
Gender and handedness in grip **strength:** a double whammy for females 87 31 0906
Glove effect on **strength:** an investigation of glove attributes 87 31 0901
Muscle **strength** assessment from the EMG frequency spectrum 87 31 0310
Pull-tear **strength** capabilities in adults 87 31 0993
glove Handgrip **strength** with the bare hand and in the NASA spacesuit 87 31 0786
Dynamic lifting **strengths** of male and female teams: a comparative study 87 31 0467
The effects of modality and **stress** across task type on human performance 87 31 0514
Time **stress** effects on two menu selection systems 87 31 0727
varied sizes and weights: a case study Physiological **stresses** associated with manual handling of containers of 87 31 1326
standards Behavioral effects of multiple SCBA **stressors:** safety research for recommending federal 87 31 0931
representation of multidimensional systems: the effect of system **structure** and display integrality Visual display 87 31 0112
facilitation of feelings in the partnership **Structure** of domination, organizational culture, and the 87 31 0330
analysis Multidimensional scaling as a method for probing for conceptual **structure** of state categories: an individual differences 87 31 0107
Factor **structure** of the criterion task set 87 31 0389
user-system interface Use of **structured** development techniques to specify the 87 31 1425
coefficient of friction between extrinsic flexor tendons and surrounding **structures** in the carpal tunnel In vivo estimation of the 87 31 0323
Similarities and differences in the implicit causal models of faculty and **students** 87 31 0293
Computer-aided learning support for environmental design **students** 87 31 0889
approaches Interface **style** and eclecticism: moving beyond categorical 87 31 0571
Evaluating a spatial task: behavioral, **subjective,** and physiological correlates 87 31 0774
The influence of color on visual search and **subjective** discomfort using CRT displays 87 31 1271
IFR flight The effect of experience on **subjective** ratings for aircraft and simulator workload during 87 31 0838
of the criterion task set (CTS) A multidimensional scaling analysis of **subjective** workload assessment technique (SWAT) ratings 87 31 0398
techniques An examination of projective versus post-task **subjective** workload ratings for three psychometric scaling 87 31 0077

performance conditions
code, response modality, and task difficulty on dual task performance and
Absolute magnitude estimation and relative judgment approaches to
An approach for specifying and managing
electronic warfare simulator (OBEWS): designing the ground support
correlates of behavioral performance on the mathematical processing
factors Achievement of organizational effectiveness:
Part-task versus whole-task training on a
Integrated operator-plant process modeling and decision
Computer-aided learning
Decision
Implementation of a shared human factors
Human factors simulation to
On-board electronic warfare simulator (OBEWS): designing the ground
on-line advice for a dynamic control task: a case study in intelligent
A method for measuring the effect of grip
Stimulus probability,
performance The use of
estimation of the coefficient of friction between extrinsic flexor tendons and
Alternative approaches to analyzing
scaling analysis of subjective workload assessment technique (
Process control: safety issues and answers in
Cross-modal interference and task integration: resources or preemption
Evaluation of ASW tactical
Selection of visual display
Advanced head-up display (HUD)
Signal detection performance as a function of Fourier description of
and breathing rhythm in a repetitive perceptual-motor task: the effects of
Measuring pilot workload in a motion base simulator: III.
Simulator-induced
organizational design, and managementThe power of systems science: the
Context, repetition, and
The role of temporal parameters in recall of
Voice recognition technology potential for a complex map query
independent data sets in a human performance expert
A methodology for system redesign: automating an outdated purchasing
Human factors evaluation of gas turbine expert
MENUDA: a knowledge-based menu design expert
difficulty on dual task performance and subjective workload in a manual
The role of the human factors designer in an integrated computer
Safety and seat constraints for a turreted weapon
Information transfer in pilots' use of a collision avoidance
Knowledge-aided display design (KADD)
Display formatting: an expert
A desktop expert
a driving simulator Effects of visual display and motion
advice for a dynamic control task: a case study in intelligent support
Principles of film editing and display
STALL: a simple model for workload analysis in early
Development of a
An interactive multi-objective decision-aiding
The user-computer interface in a telecommunications engineering
The effects of an automated maintenance management
Prediction of personnel requirements for
An approach for specifying and managing submarine combat
Impact of human performance on
A comparison of hardcopy and expert
system A methodology for

Keynote address: New technology, human performance, and transportation
Visual display representation of multidimensional systems: the effect of
training A study of the mental model of a complex dynamic
Use of infrared telemetry as part of a nonintrusive inflight data collection
of a complex dynamic system: the effect of display aiding and contextual
A prototype taxonomy of training device visual
development of HF-related safety designs for industrial robots and robotic
Time stress effects on two menu selection
Evaluation of total contract training (TCT)

Subjective workload under individual and team 87 31 0067
subjective workload in a manual system The effect of 87 31 0847
subjective workload assessment 87 31 1057
submarine combat system operator interface requirements 87 31 1411
subsystem (GSS) man-machine interface On-board 87 31 1296
subtest of the CTS battery Physiological 87 31 0770
success cases and challenges for the future of human 87 31 1234*
Successful implementation of an injury prevention program 87 31 1138
supervisory control task 87 31 1365
support for allocation of function 87 31 0815
support for environmental design students 87 31 0889
support for workload assessment: introducing WC FIELDE 87 31 0072
support program between academia and industry 87 31 0285
support software design 87 31 1416
support subsystem (GSS) man-machine interface 87 31 1296
support system design Providing 87 31 0036
surface on torque production during hand/arm rotation 87 31 0898
surprise, and reaction time 87 31 0147
surrogate techniques for the measurement of team 87 31 0638
surrounding structures in the carpal tunnel In vivo 87 31 0323
SWAT data 87 31 0063
SWAT) ratings of the criterion task set (CTS) A 87 31 0398
Sweden and Norway 87 31 1243
switching 87 31 0679
symbology 87 31 1403
symbology: a new metric of similarity 87 31 0510
symbology: aiding unusual attitude recovery 87 31 1067
symbols 87 31 1198
synchronization on performance Work rhythm 87 31 1336
Synchronous secondary task 87 31 0834
syndrome: evidence for long-term simulator aftereffects 87 31 0505
synthesis of information: starting ergonomics, 87 31 1028
synthesized speech intelligibility 87 31 0961
synthetic speech 87 31 0966
system 87 31 0956
system Evaluation of algorithms for combining 87 31 0811
system 87 31 1144
system 87 31 1133
system 87 31 1315
system The effect of processing code, response modality, 87 31 0847
system 87 31 1147
system 87 31 1241
system 87 31 0428
system: an evaluation 87 31 0536
system application 87 31 1320*
system as a human factors work aid 87 31 1087
system delays on operator performance and uneasiness in 87 31 0492
system design Providing on-line 87 31 0036
system design 87 31 0121
system development 87 31 0363
system engineer workstation 87 31 1421
system for tactical mission planning 87 31 0432
system: impacts of automation 87 31 0969
system on organizational communication 87 31 1161
system operation 87 31 0358
system operator interface requirements 87 31 1411
system performance 87 31 0620*
system presentation of network operator assistance guides 87 31 0706
system redesign: automating an outdated purchasing 87 31 1144
System requirements development methodology 87 31 0625
system safety 87 31 0015
system structure and display integrality 87 31 0112
system: the effect of display aiding and contextual system 87 31 0102
system to collect human factors data 87 31 0796
system training A study of the mental model 87 31 0102
systems 87 31 0238
systems Assessment and 87 31 0176
systems 87 31 0727
systems 87 31 1370

Team development in operational team training **systems** 87 31 0081*
pictorial formats Learning hierarchical menu **systems:** a comparative investigation of analogical and 87 31 0978
defendants' positions in product liability cases Utilization of a reverse **systems** engineering approach for the assessment of 87 31 0605
The application of human factors to the development of expert **systems** for advanced cockpits 87 31 1388
selection, training, and equipment variations to maintain the same level of **systems** performance Isoperformance: trading off 87 31 0634
ergonomics, organizational design, and management The power of **systems** science: the synthesis of information from 87 31 1028
integrality Visual display representation of multidimensional **systems:** the effect of system structure and display 87 31 0112
A human information processing theory of skill acquisition: a training **systems** view 87 31 0643
Application of Tullis's visual search model to highlighted and non-highlighted **tabular** displays 87 31 1221
An interactive multi-objective decision-aiding system for **tactical** mission planning 87 31 0432
Multi-factor evaluation of **tactical** planning aids 87 31 0218
Evaluation of ASW **tactical** symbology 87 31 1403
The effect of constructing multiple-choice distractor items around a single **target** alternative 87 31 0378
Contrast sensitivity as a predictor of complex **target** detection 87 31 1194
Step tracking shrinking **targets** 87 31 0248
Eye and head displacement to **targets** fixated in the vertical and horizontal planes 87 31 0243
A study of human performance in a sewing **task** 87 31 0590
A comparison of cursor control devices on a graphics editing **task** 87 31 0442
workload in a motion base simulator: III. Synchronous secondary **task** Measuring pilot 87 31 0834
capacity equivalence curves following practice on a consistently mapped **task** Estimating 87 31 0689
performance under speed-accuracy tradeoff: single task versus dual **task** Complex task 87 31 0161
automation on error detection: some results from a visual discrimination **task** The impact of 87 31 0156
Part-task versus whole-task training on a supervisory control **task** 87 31 1365
Performance and QWL in a data entry **task** 87 31 1350
Providing on-line advice for a dynamic control **task:** a case study in intelligent support system design 87 31 0036
Evaluating a spatial **task:** behavioral, subjective, and physiological correlates 87 31 0774
Team performance of a dynamic resource allocation **task:** comparison of shared versus isolated work setting 87 31 1345
workload The effect of processing code, response modality, and **task** difficulty on dual task performance and subjective 87 31 0847
The development of a spatial orientation **task** for inclusion in the criterion task set (CTS) 87 31 0394
A comparative assessment of computer-based media for presenting job **task** instructions 87 31 0696
Cross-modal interference and **task** integration: resources or preemption switching 87 31 0679
Effects of **task** loading and time on recognition memory performance 87 31 0373
displays Theoretical review of the secondary **task** methodology for evaluating intelligent automobile 87 31 0205
The effect of processing code, response modality, and task difficulty on dual **task** performance and subjective workload in a manual 87 31 0847
task versus dual task Complex **task** performance under speed-accuracy tradeoff: single 87 31 0161
Task, seat adjustability, and postural change 87 31 0879
Factor structure of the criterion **task** set 87 31 0389
The criterion **task** set: an updated battery 87 31 0405
subjective workload assessment technique (SWAT) ratings of the criterion **task** set (CTS) A multidimensional scaling analysis of 87 31 0398
The development of a spatial orientation task for inclusion in the criterion **task** set (CTS) 87 31 0394
sensation seeking and stimulus screening Relationship between criterion **task** set performance and the personality variables of 87 31 0402
Voice and manual control in dual **task** situations 87 31 0419
Work rhythm and breathing rhythm in a repetitive perceptual-motor **task:** the effects of synchronization on performance 87 31 1336
The effects of modality and stress across **task** type on human performance 87 31 0514
Complex task performance under speed-accuracy tradeoff: single **task** versus dual task 87 31 0161
Training development for complex cognitive **tasks** 87 31 1261
Flight simulation training using standard and non-standard **tasks** 87 31 1291
using six-DOF hand controllers for space assembly and servicing **tasks** Telerobotic control of a dextrous manipulator 87 31 0791
worker fitness for manual material handling **tasks** Exploratory biomechanical studies to determine 87 31 0452
Time-sharing visual and auditory tracking **tasks** 87 31 0253
Applications of automatic/control processing theory to complex **tasks:** an encouraging look 87 31 0674
A **taxonomic** approach to understanding direct manipulation 87 31 0576
A prototype **taxonomy** of training device visual systems 87 31 0238
Evaluation of total contract training (**TCT)** systems 87 31 1370
inappropriate explication Classroom **teaching,** implicit learning, and the deleterious effects of 87 31 0289
Changes in **team** behaviors during operational training 87 31 0092
Team development in operational team training systems 87 31 0081*
The use of surrogate techniques for the measurement of **team** performance 87 31 0638
Subjective workload under individual and **team** performance conditions 87 31 0067
comparison of shared versus isolated work setting **Team** performance of a dynamic resource allocation task: 87 31 1345
Instructional processes in **team** training 87 31 0087
Development of instructional design guidelines for **team** training devices 87 31 0097
Team development in operational **team** training systems 87 31 0081*
Dynamic lifting strengths of male and female **teams:** a comparative study 87 31 0467
The evolution and maturation of operational **teams** in a training environment 87 31 0082
Aging and **technological** innovation 87 31 0694*
Advanced human factors engineering tool **technologies** 87 31 0345
Raising control/display efficiency with rapid communication display **technology** 87 31 0258
The human side of **technology** 87 31 0061*

Callers' perceptions of post-dialing delays: the effects of a new signaling **technology** 87 31 0275
The computer-aided man-model: a safety valve in high **technology** 87 31 1393
Advanced manufacturing **technology** development: a macroergonomics perspective 87 31 1156
system safety Keynote address: New **technology,** human performance, and transportation 87 31 0015
Voice recognition **technology** potential for a complex map query system 87 31 0956
the first step to understanding Dependence of **technology** transfer on organizational issues: awareness is 87 31 1030
Managerial and personnel considerations of ergonomics of **technology** transfer to newly industrializing countries 87 31 1023
training via computer conferencing: an empirical evaluation of a rising **technology**—report of year one Delivery of Army 87 31 0936*
automation The user-computer interface in a **telecommunications** engineering system: impacts of 87 31 0969
system to collect human factors data Use of infrared **telemetry** as part of a nonintrusive inflight data collection 87 31 0796
and six-DOF hand controllers for space **Telerobotic** control of a dextrous manipulator using master 87 31 0791
The role of **temporal** parameters in recall of synthetic speech 87 31 0966
In vivo estimation of the coefficient of friction between extrinsic flexor **tendons** and surrounding structures in the carpal tunnel 87 31 0323
two-handed use Optimizing a portable **terminal** keyboard for combined one-handed and 87 31 0585
Fit for humans: a new look for the finite intersection **test** 87 31 1096
common fluorescent illumination on the Farnsworth-Munsell 100-hue **test** Effects of 87 31 1266
An investigation of the relationship between a basic attributes **test** battery and learning to fly a VTOL simulator 87 31 1378
Development of a **test** battery and rating scale for Morse intercept operators 87 31 0386
Some guidelines for human factors expert witness **testimony** 87 31 0595
text be left-justified A contrast of guideline 87 31 1226
Experiences with an integrated voice and **text** message service 87 31 0270
The effective use of color for **text** on the IBM 5153 color display 87 31 1091
evaluating intelligent automobile displays **Theoretical** review of the secondary task methodology for 87 31 0205
Capacity limitations in human information processing: **theory** and implications 87 31 0672*
Perceptual learning: **theory** and practice 87 31 1049
Attention **theory** and training research 87 31 0648
displays A detection **theory** method for the analysis of visual and auditory 87 31 1184
A **theory** of human performance assessment 87 31 0629
A human information processing **theory** of skill acquisition: a training systems view 87 31 0643
Applications of automatic/control processing **theory** to complex tasks: an encouraging look 87 31 0674
The globe thermometer response under varying **thermal** components 87 31 1341
The globe **thermometer** response under varying thermal components 87 31 1341
design/evaluation **Three-dimensional** auditory cue simulation for crew station 87 31 1398
Comparing **three-dimensional** representations of data to scatterplots 87 31 1174
The effects of gloves on maximum holding **time** 87 31 0894
Stimulus probability, surprise, and reaction **time** 87 31 0147
representations Classification of multidimensional data under **time** constraints: evaluating digital and configural display 87 31 0116
Effects of task loading and **time** on recognition memory performance 87 31 0373
The effects of magnification and allowed viewing **time** on the inspection of printed circuit boards 87 31 1014
Driving performance as a function of **time** on the road 87 31 0766
Time stress effects on two menu selection systems 87 31 0727
A model of human reaction **time** to dangerous robot arm movements 87 31 0191
A confirmatory factor-analytic investigation of **time-sharing** performance and cognitive abilities 87 31 1062
Time-sharing visual and auditory tracking tasks 87 31 0253
Evaluation metrics and a **tool** for control panel design 87 31 1123
Advanced human factors engineering **tool** technologies 87 31 0345
User interface design **tools** 87 31 0025
User interface prototyping: a review of PC-based **tools** and their features 87 31 1082
Five Macintosh **tools** for human factors engineering 87 31 1306
The interaction of bottom-up and **top-down** consistency in the development of skills 87 31 1044
If controls in the catalogs just won't do, then **top-down** design is right for you 87 31 0997
A method for measuring the effect of grip surface on **torque** production during hand/arm rotation 87 31 0898
Evaluation of **total** contract training (TCT) systems 87 31 1370
Resources, confusions, and compatibility in dual axis **tracking:** displays, controls, and dynamics 87 31 1211
Step **tracking** shrinking targets 87 31 0248
Time-sharing visual and auditory **tracking** tasks 87 31 0253
The **tracometer** as an intoxication warning device 87 31 0751
Complex task performance under speed-accuracy **tradeoff:** single task versus dual task 87 31 0161
maintain the same level of systems performance Isoperformance: **trading** off selection, training, and equipment variations to 87 31 0634
The optimism bias and **traffic** safety 87 31 0756
Evaluation of **trailer** hitches using ergonomic principles 87 31 0210
Computer conferencing: can it help the Army **train** 87 31 0941
Instructional processes in team **training** 87 31 0087
strategies and concurrent-task practice: new implications for complex skill **training** Memory-encoding 87 31 0657
complex dynamic system: the effect of display aiding and contextual system **training** A study of the mental model of a 87 31 0102
Changes in team behaviors during operational **training** 87 31 0092
and industry Computer-related **training:** a case study comparison between government 87 31 1373
level of systems performance Isoperformance: trading off selection, **training,** and equipment variations to maintain the same 87 31 0634
Training development for complex cognitive tasks 87 31 1261

A prototype taxonomy of **training** device visual systems 87 31 0238
Development of instructional design guidelines for team **training** devices 87 31 0097
The evolution and maturation of operational teams in a **training** environment 87 31 0082
Postural disequilibrium following **training** flight 87 31 0488
Part-task versus whole-task **training** on a supervisory control task 87 31 1365
Key Army decision maker concerns about **training** performance measurement and assessment 87 31 1251
personnel Determining **training** requirements for mechanical maintenance 87 31 1256
Attention theory and **training** research 87 31 0648
Team development in operational team **training** systems 87 31 0081*
A human information processing theory of skill acquisition: a **training** systems view 87 31 0643
Evaluation of total contract **training** (TCT) systems 87 31 1370
Flight simulation **training** using standard and non-standard tasks 87 31 1291
of a rising technology—report of year one Delivery of Army **training** via computer conferencing: an empirical evaluation 87 31 0936*
Information **transfer** in pilots' use of a collision avoidance system 87 31 0428
step to understanding Dependence of technology **transfer** on organizational issues: awareness is the first 87 31 1030
Managerial and personnel considerations of ergonomics of technology **transfer** to newly industrializing countries 87 31 1023
Keynote address: New technology, human performance, and **transportation** system safety 87 31 0015
Internal **trunk-loading** sequence responses to lifting motions 87 31 0447
be left-justified A contrast of guideline recommendations and **Tullis's** prediction model for computer displays: should text 87 31 1226
non-highlighted tabular displays Application of **Tullis's** visual search model to highlighted and 87 31 1221
between extrinsic flexor tendons and surrounding structures in the carpal **tunnel** In vivo estimation of the coefficient of friction 87 31 0323
Human factors evaluation of gas **turbine** expert system 87 31 1133
Safety and seat constraints for a **turreted** weapon system 87 31 1241
Optimizing a portable terminal keyboard for combined one-handed and **two-handed** use 87 31 0585
Pictorial format displays for **two-seat** fighter-attack aircraft 87 31 1072
The effects of modality and stress across task **type** on human performance 87 31 0514
CRT **typeface** design and evaluation 87 31 1311
Are we boxing ourselves in with the **UIMS** box 87 31 0022
The search for underlying internal processing (**UIPs)** 87 31 0667
Making **UISMs** useful 87 31 0030*
Laboratory exercises in human factors at the **undergraduate** level 87 31 0302
Reducing manual materials handling in **underground** coal mining with mechanical-assist devices 87 31 0457
Preliminary recommendations for handling and lifting materials in **underground** low-coal mines 87 31 0921
Research to determine the frequency and cause of injury accidents in **underground** mining 87 31 0926
display and motion system delays on operator performance and **uneasiness** in a driving simulator Effects of visual 87 31 0492
Stopping performance in familiar and **unfamiliar** vehicles 87 31 0762
Illumination levels in offices with visual display **units** 87 31 1113
of shape/object displays, quasi-shape displays, and conventional **univariate** indicators: integration benefits A comparison 87 31 0543
Unreasonably dangerous 87 31 0600
Advanced head-up display (HUD) symbology: aiding **unusual** attitude recovery 87 31 1067
The criterion task set: an **updated** battery 87 31 0405
Two models of **user** assistance 87 31 0046
Measured impact of a mandated warning on **user** behavior 87 31 0479
Evaluating **user** interface complexity 87 31 0566
User interface design tools 87 31 0025
products Reworking the **user** interface during convergence of several software 87 31 0710
their features **User** interface prototyping: a review of PC-based tools and 87 31 1082
Rapid-software for prototyping **user** interfaces 87 31 1000
models of users Empirical **user** modeling: command usage analyses for deriving 87 31 0041
data bases **User-computer** interface requirements for remote access 87 31 0973
engineering system: impacts of automation The **user-computer** interface in a telecommunications 87 31 0969
Use of structured development techniques to specify the **user-system** interface 87 31 1425
The computer-aided man-model: a safety **valve** in high technology 87 31 1393
Physiological stresses associated with manual handling of containers of **varied** sizes and weights: a case study 87 31 1326
An evaluation of some **VDT** lighting variables 87 31 1109
Comparing worker perceptions to engineering measurements of **VDT** workstations and environmental conditions 87 31 0874
countries A proposed model to facilitate the ergonomic implementation of **VDT-based** data entry jobs in industrially developing 87 31 1035
Induced roll **vection** from stimulation of the central visual field 87 31 0263
Age differences in judgments of **vehicle** velocity and distance 87 31 0558
Stopping performance in familiar and unfamiliar **vehicles** 87 31 0762
All-terrain **vehicles:** a human factors and safety analysis 87 31 0760
Age differences in judgments of vehicle **velocity** and distance 87 31 0558
Eye and head displacement to targets fixated in the **vertical** and horizontal planes 87 31 0243
Comparison of horizontal and **vertical** menu formats 87 31 0715
into the oscillatory behavior of the spinal column under whole body **vibration** Investigation 87 31 0307
information processing theory of skill acquisition: a training systems **view** A human 87 31 0643
Perceptions of computer manuals: a **view** from the field 87 31 0139
The effects of magnification and allowed **viewing** time on the inspection of printed circuit boards 87 31 1014
Toward a new approach to **vision:** applications to robots and humans 87 31 1281
Is selective screening of older drivers for **vision** feasible 87 31 0562

Further investigation of contrast sensitivity and **visual** acuity in pilot detection of aircraft 87 31 1189
Time-sharing **visual** and auditory tracking tasks 87 31 0253
A detection theory method for the analysis of **visual** and auditory displays 87 31 1184
The impact of automation on error detection: some results from a **visual** discrimination task 87 31 0156
performance and uneasiness in a driving simulator Effects of **visual** display and motion system delays on operator 87 31 0492
Visual display factors contributing to simulator sickness 87 31 0497
the effect of system structure and display integrality **Visual** display representation of multidimensional systems: 87 31 0112
Selection of **visual** display symbology: a new metric of similarity 87 31 0510
Illumination levels in offices with **visual** display units 87 31 1113
Induced roll vection from stimulation of the central **visual** field 87 31 0263
inspector experience **Visual** inspection for multiple flaws: effects of long-term 87 31 1009
Optimizing **visual** search and cursor movement in pull-down menus 87 31 0722
The influence of color on **visual** search and subjective discomfort using CRT displays 87 31 1271
tabular displays Application of Tullis's **visual** search model to highlighted and non-highlighted 87 31 1221
A prototype taxonomy of training device **visual** systems 87 31 0238
tendons and surrounding structures in the carpal tunnel In **vivo** estimation of the coefficient of friction between 87 31 0323
Voice and manual control in dual task situations 87 31 0419
Experiences with an integrated **voice** and text message service 87 31 0270
Airborne message entry by **voice** recognition 87 31 0424
query system **Voice** recognition technology potential for a complex map 87 31 0956
Learning and using office automation on personal computers: a **voice/phone** application 87 31 0266
the relationship between a basic attributes test battery and learning to fly a **VTOL** simulator An investigation of 87 31 1378
subsystem (GSS) man-machine interface On-board electronic **warfare** simulator (OBEWS): designing the ground support 87 31 1296
The tracometer as an intoxication **warning** device 87 31 0751
Warning effectiveness: what do we need to know 87 31 1116
A comparative evaluation of **warning** label designs 87 31 0476
Measured impact of a mandated **warning** on user behavior 87 31 0479
Layout, organization, and the effectiveness of consumer product **warnings** 87 31 0056
female consumers Factors affecting consumers' perceptions of product **warnings:** an examination of the differences between male 87 31 0610
Effects of cooling and flavoring drinking **water** on psychological performance in a hot environment 87 31 0825
Decision support for workload assessment: introducing **WC** FIELDE 87 31 0072
Safety and seat constraints for a turreted **weapon** system 87 31 1241
activity The effects of seam height, scaling method, and bar **weight** distribution on scaling effectiveness and 87 31 0471
stresses associated with manual handling of containers of varied sizes and **weights:** a case study Physiological 87 31 1326
Gender and handedness in grip strength: a double **whammy** for females 87 31 0906
Investigation into the oscillatory behavior of the spinal column under **whole** body vibration 87 31 0307
Part-task versus **whole-task** training on a supervisory control task 87 31 1365
A post-occupancy evaluation of an award **winner** 87 31 0884
Some guidelines for human factors expert **witness** testimony 87 31 0595
If controls in the catalogs just **won't** do, then top-down design is right for you 87 31 0997
Authenticating users by **word** association 87 31 0135
A desktop expert system as a human factors **work** aid 87 31 1087
Lifting physical **work** capacity as a function of frequency 87 31 1331
Occupant perception of the **work** environment 87 31 1105
Effects of lifting in four restricted **work** postures 87 31 0462
Work rhythm and breathing rhythm in a repetitive 87 31 1336
a dynamic resource allocation task: comparison of shared versus isolated **work** setting Team performance of 87 31 1345
Computer **work** stations: preferred posture and line of sight 87 31 1005
Exploratory biomechanical studies to determine **worker** fitness for manual material handling tasks 87 31 0452
workstations and environmental conditions Comparing **worker** perceptions to engineering measurements of VDT 87 31 0874
7 ± 2 A connectionist/control architecture for **working** memory and workload: why working memory is not 87 31 0684
Analytic techniques for the assessment of operator **workload** 87 31 0368
STALL: a simple model for **workload** analysis in early system development 87 31 0363
magnitude estimation and relative judgment approaches to subjective **workload** assessment Absolute 87 31 1057
criterion task set (CTS) A multidimensional scaling analysis of subjective **workload** assessment technique (SWAT) ratings of the 87 31 0398
Practical **workload** assessment in the development process 87 31 1408
Decision support for **workload** assessment: introducing WC FIELDE 87 31 0072
The effect of experience on subjective ratings for aircraft and simulator **workload** during IFR flight 87 31 0838
processing and task difficulty on dual task performance and subjective **workload** in a manual system The effect of 87 31 0847
secondary task Measuring pilot **workload** in a motion base simulator: III. Synchronous 87 31 0834
Physiological data used to measure pilot **workload** in actual flight and simulator conditions 87 31 0779
displays Comparison of **workload** measures on computer-generated primary flight 87 31 0548
An examination of projective versus post-task subjective **workload** ratings for three psychometric scaling techniques 87 31 0077
Subjective **workload** under individual and team performance conditions 87 31 0067
A connectionist/control architecture for working memory and **workload:** why working memory is not 7 ± 2 87 31 0684
Heart rate averages as **workload/fatigue** indicators during OT&E 87 31 0784
Development of a system engineer **workstation** 87 31 1421
Comparing worker perceptions to engineering measurements of VDT **workstations** and environmental conditions 87 31 0874
Introducing and promoting human factors in the real **world:** a case study 87 31 0732
conferencing: an empirical evaluation of a rising technology—report of **year** one Delivery of Army training via computer 87 31 0936*